

Figure 1a

Title: MEANS AND METHODS FOR
DIAGNOSING AND TREATING
AFFECTIVE DISORDERS
Inventor(s): Barden et al.
DOCKET NO.: 028622-0130

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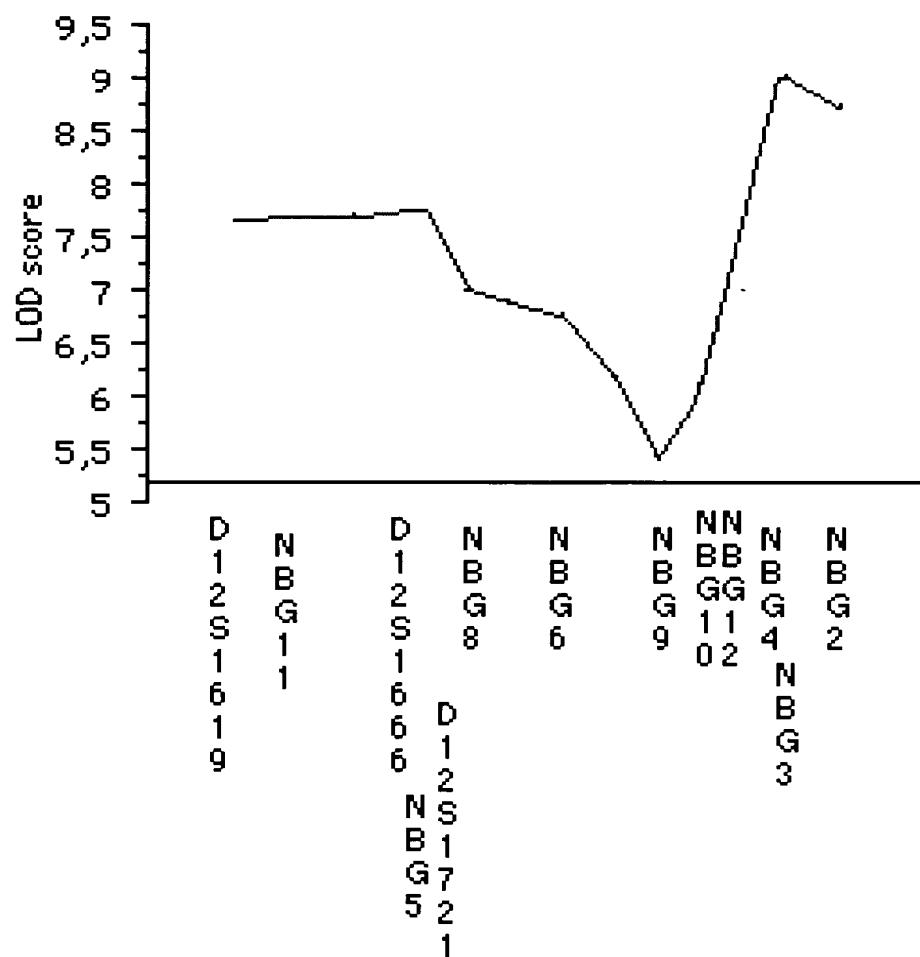


Figure 1b

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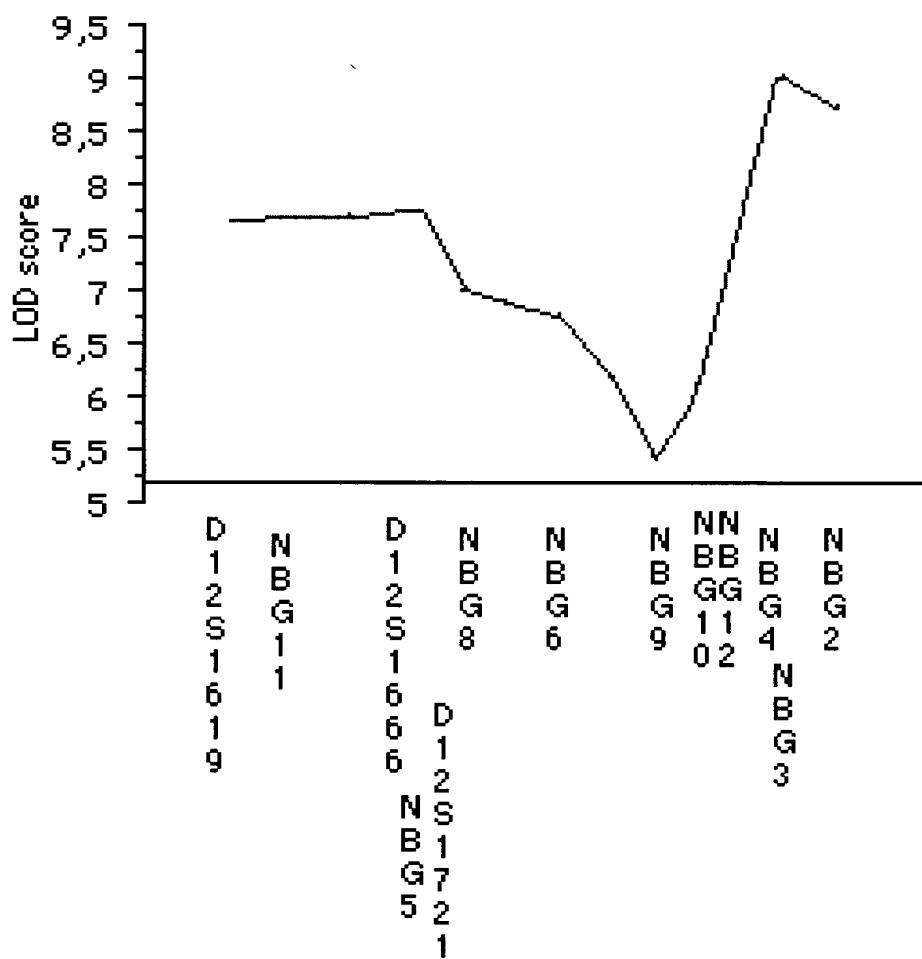


Figure 1c

Title: MEANS AND METHODS FOR
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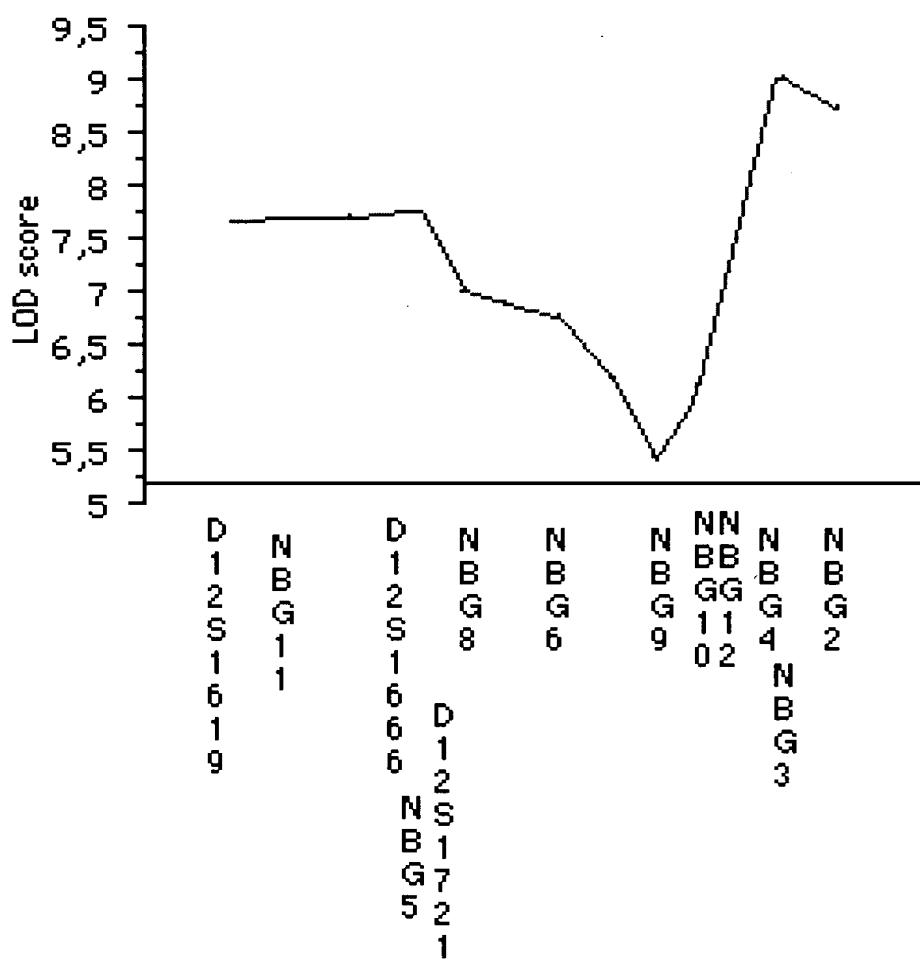


Figure 1d

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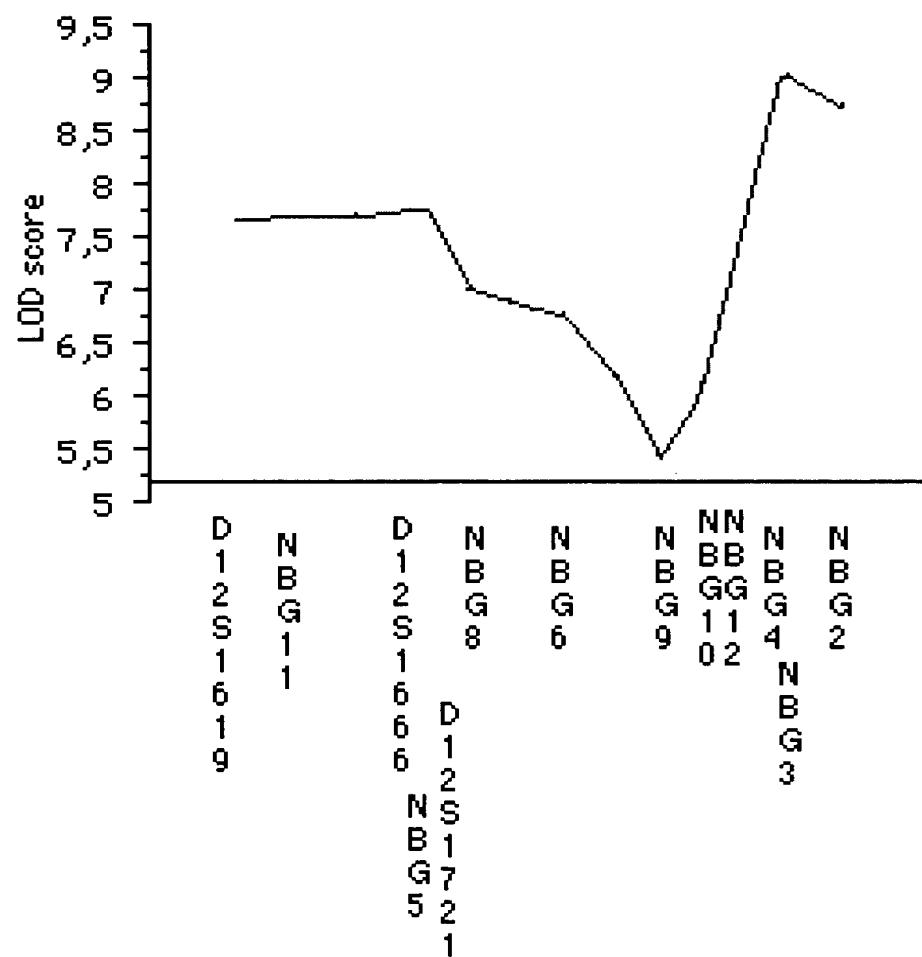


Figure 1e

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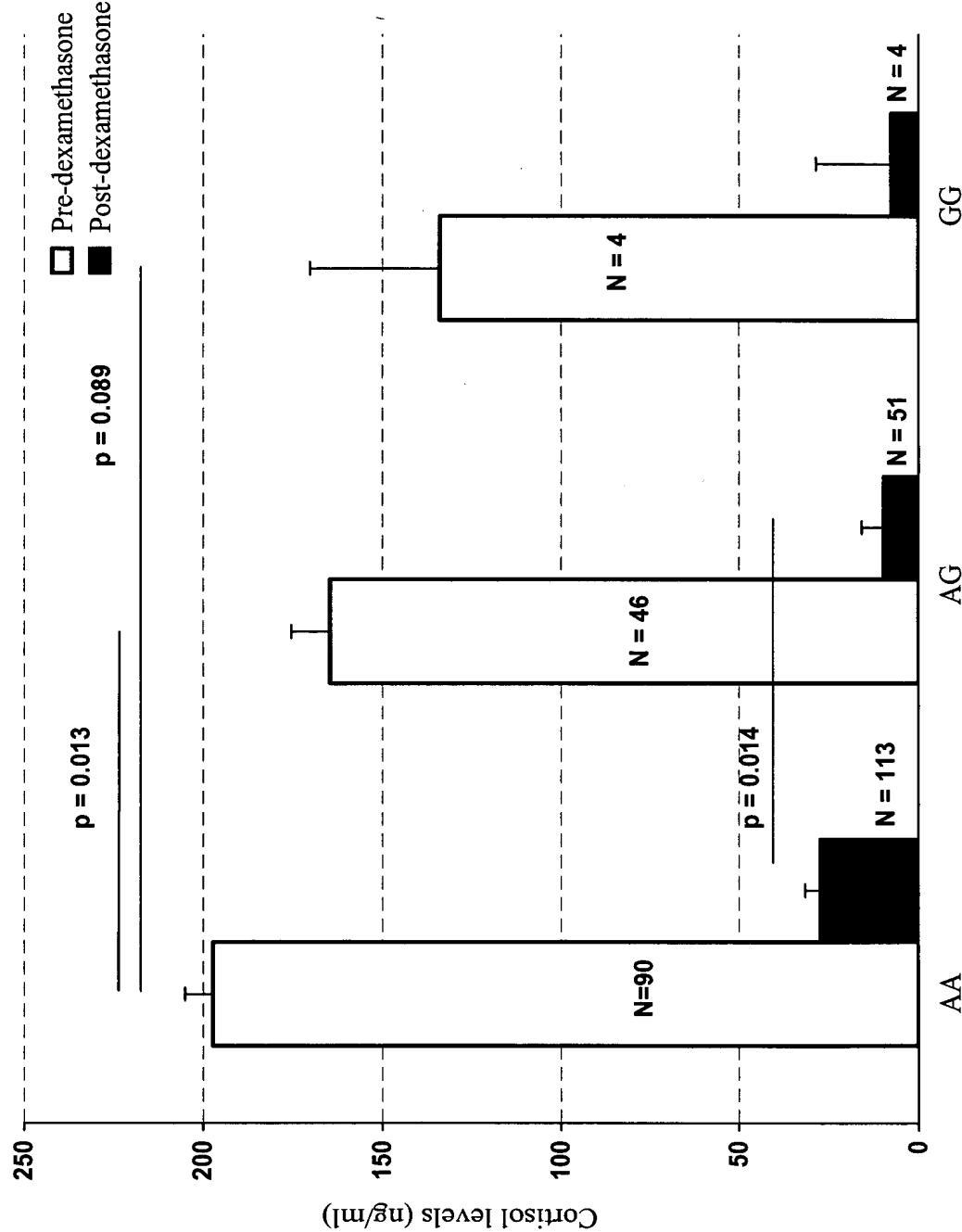


Figure 1f

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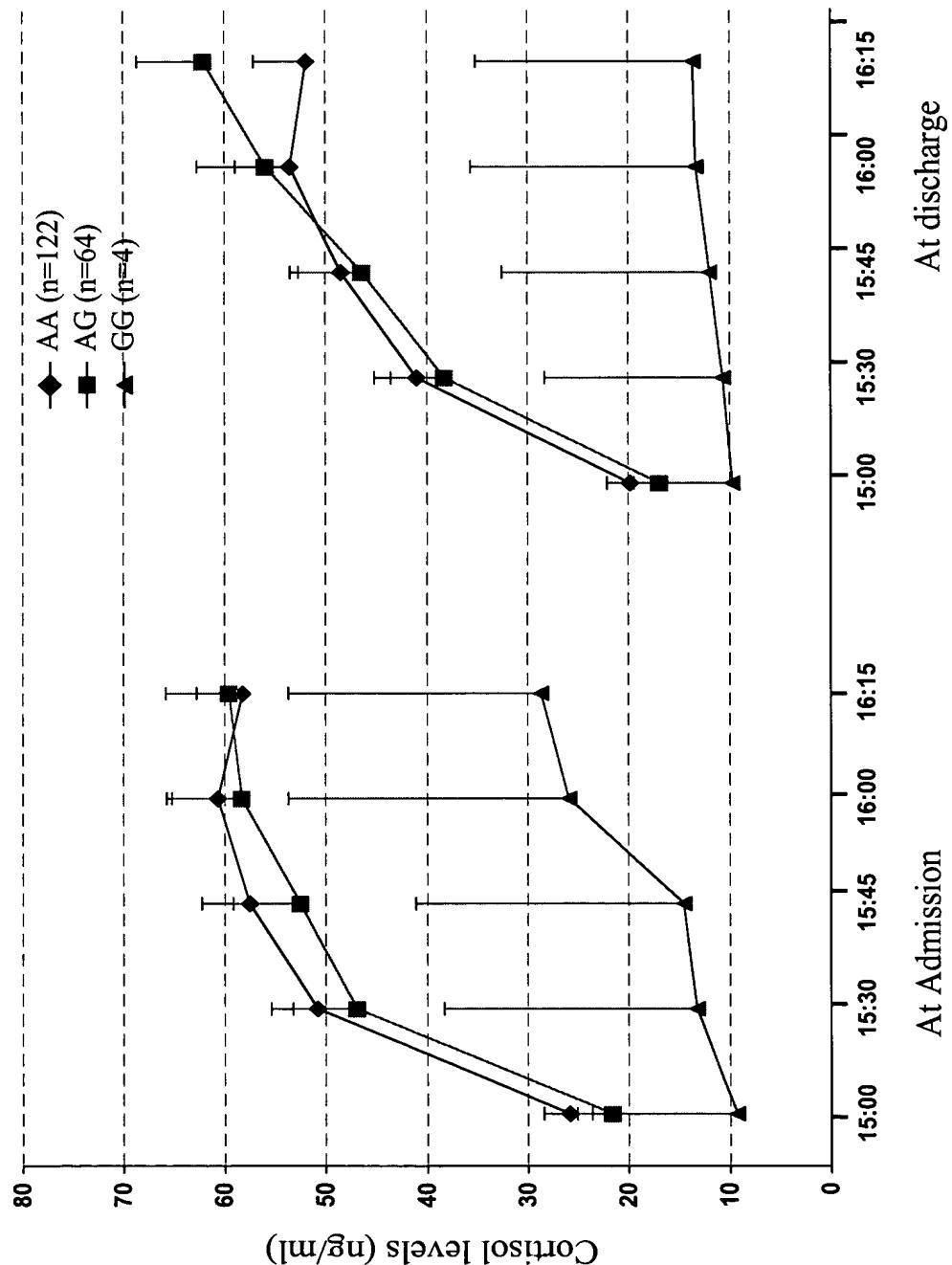


Figure 1g

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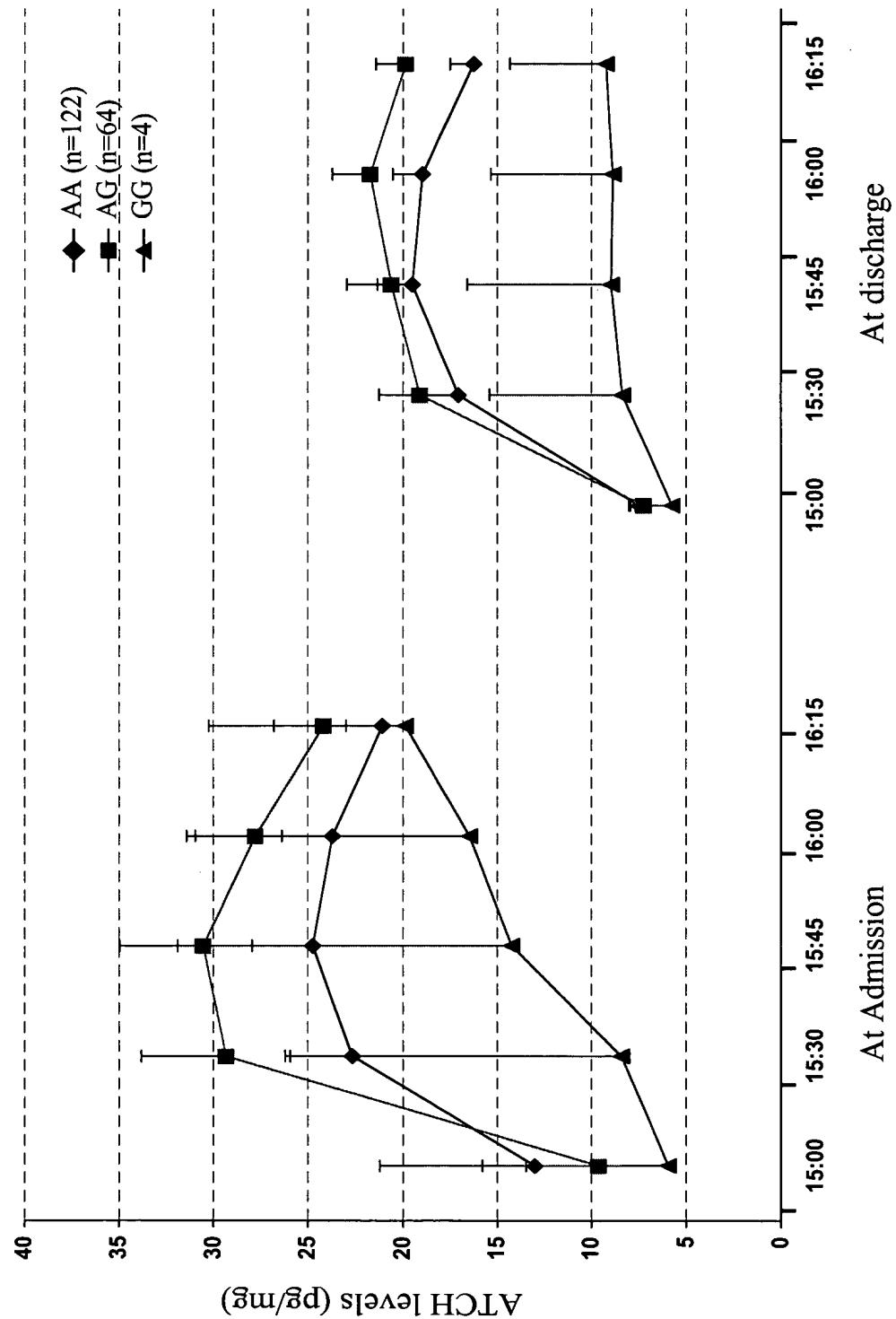


Figure 1h

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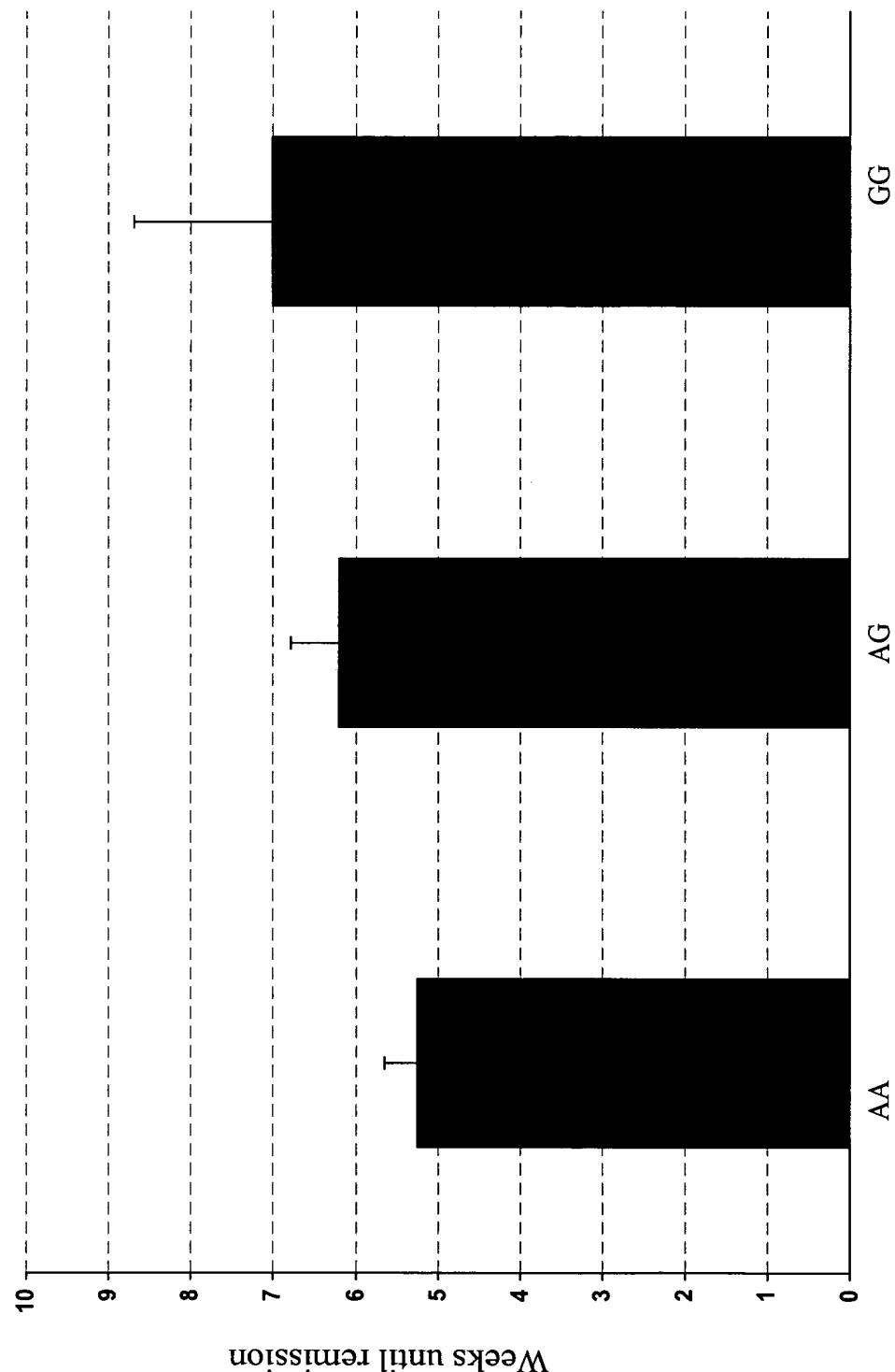


Figure 1i

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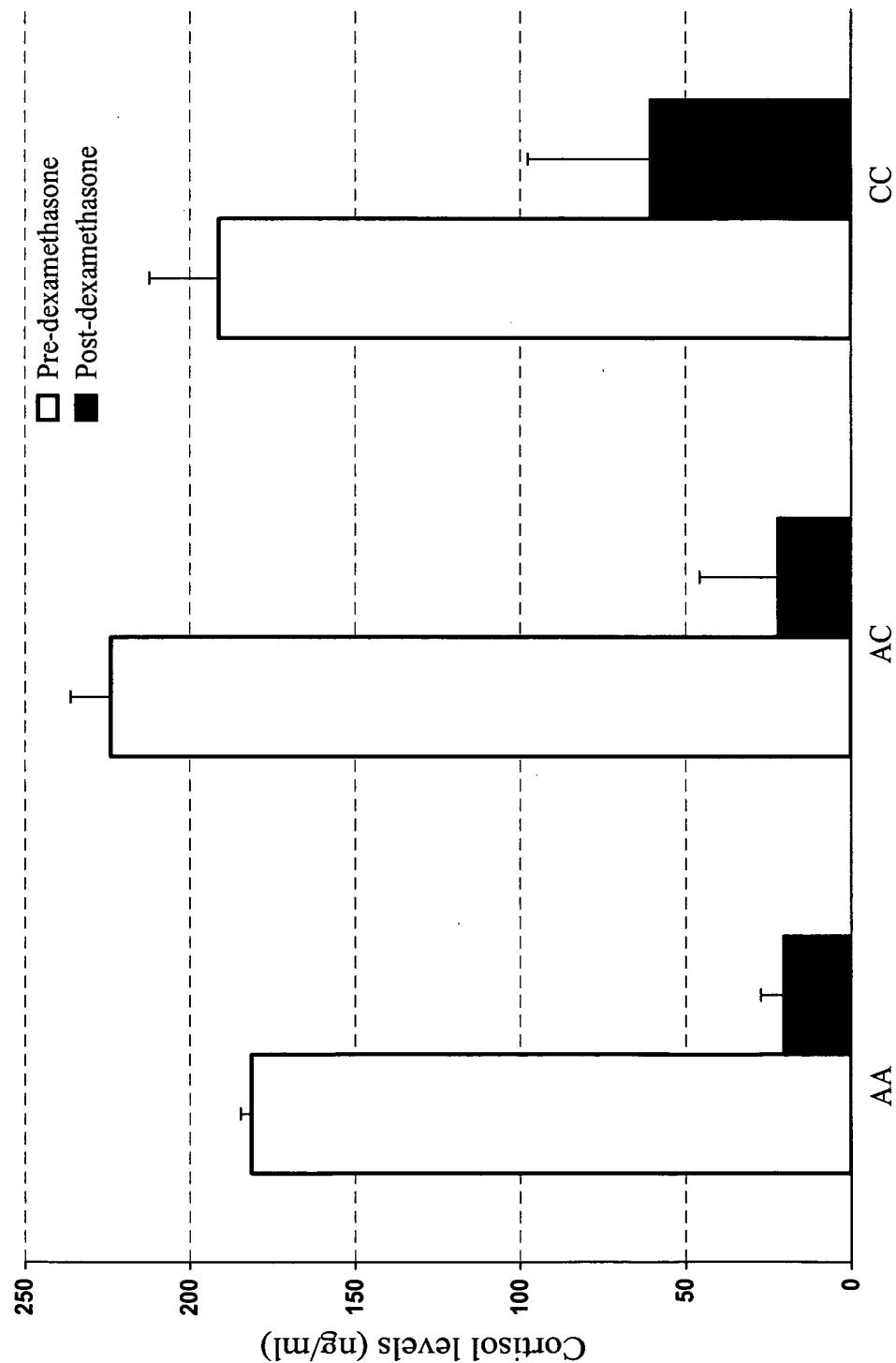


Figure 1j

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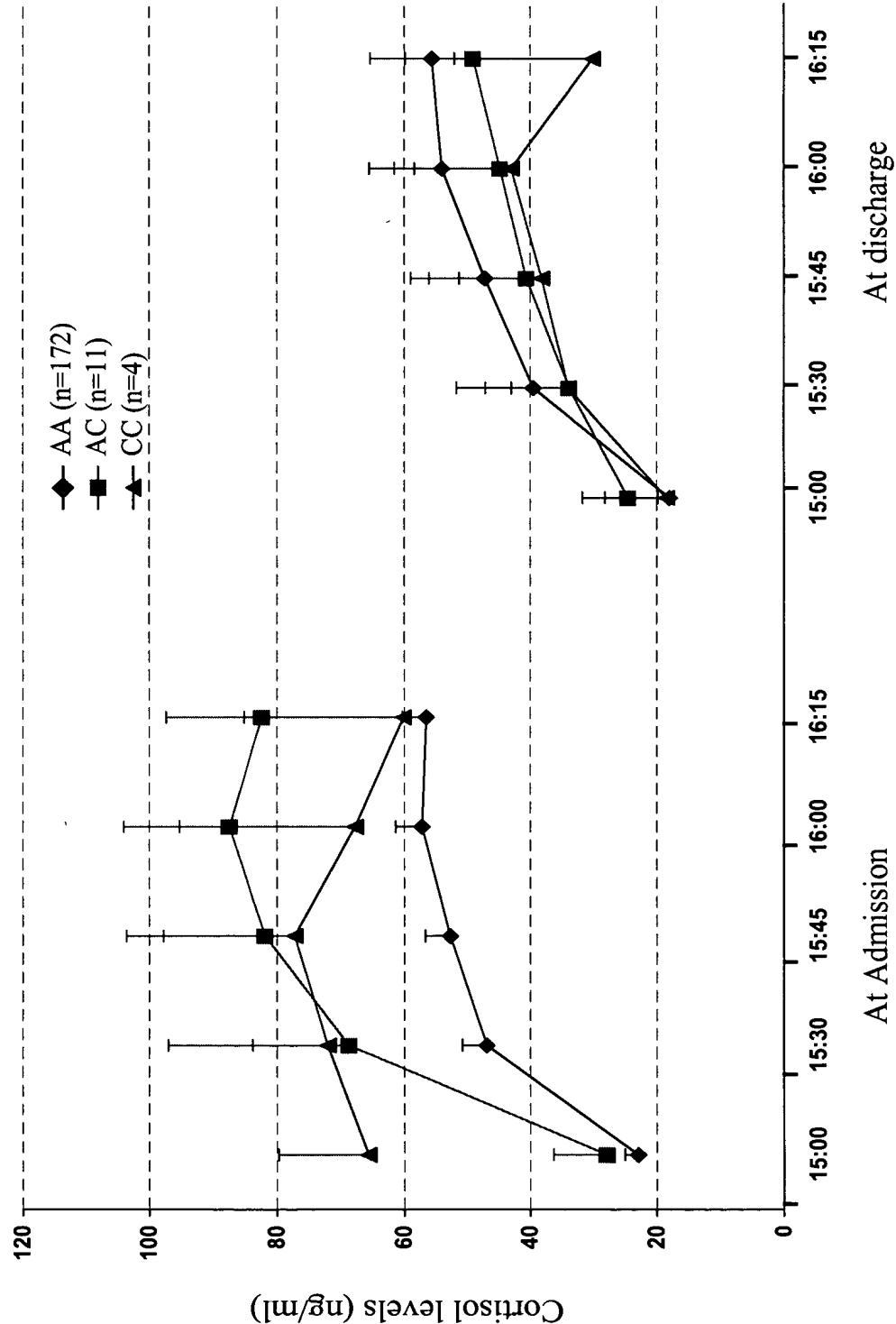


Figure 1k

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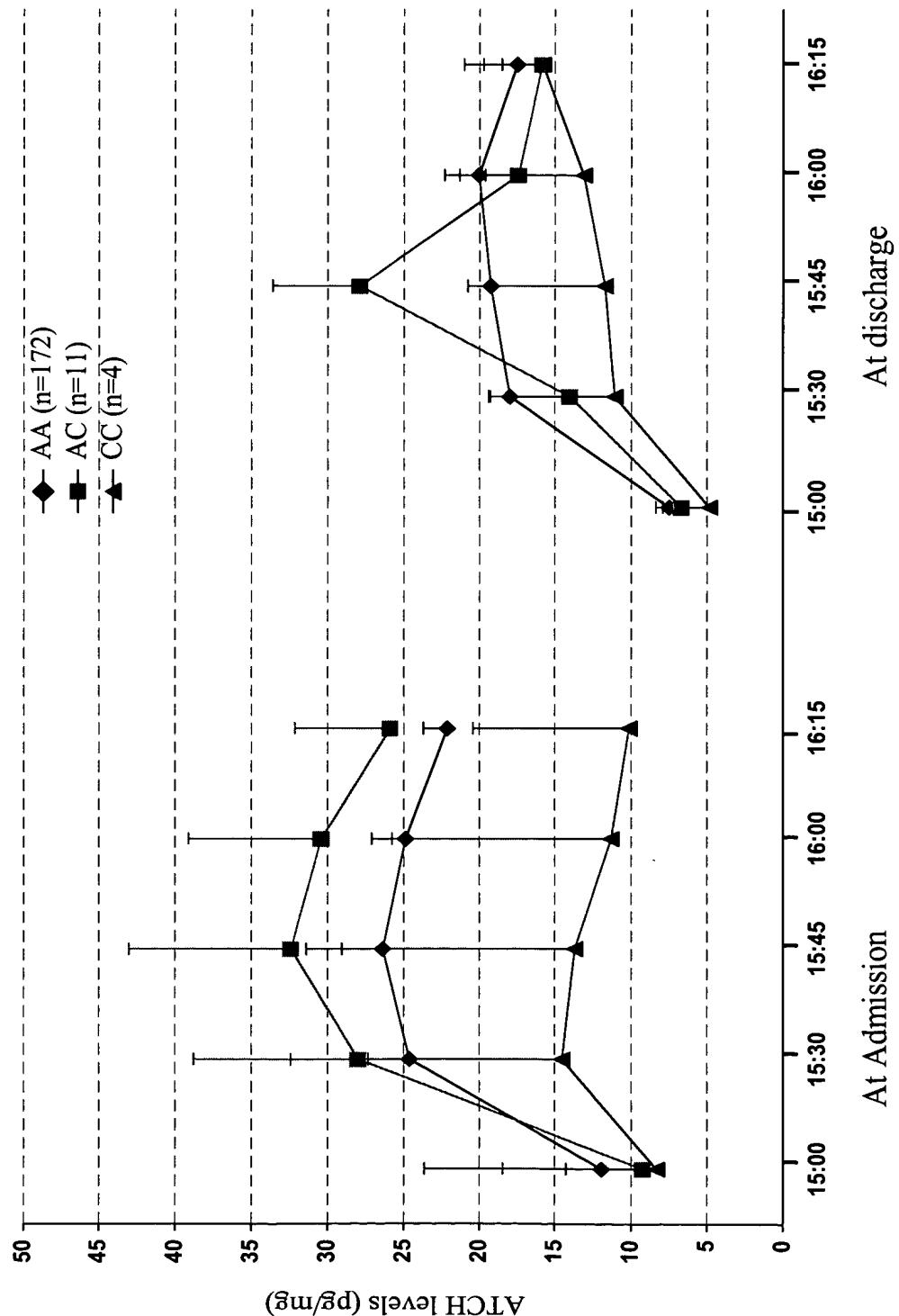


Figure 11

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→ 1785 bp

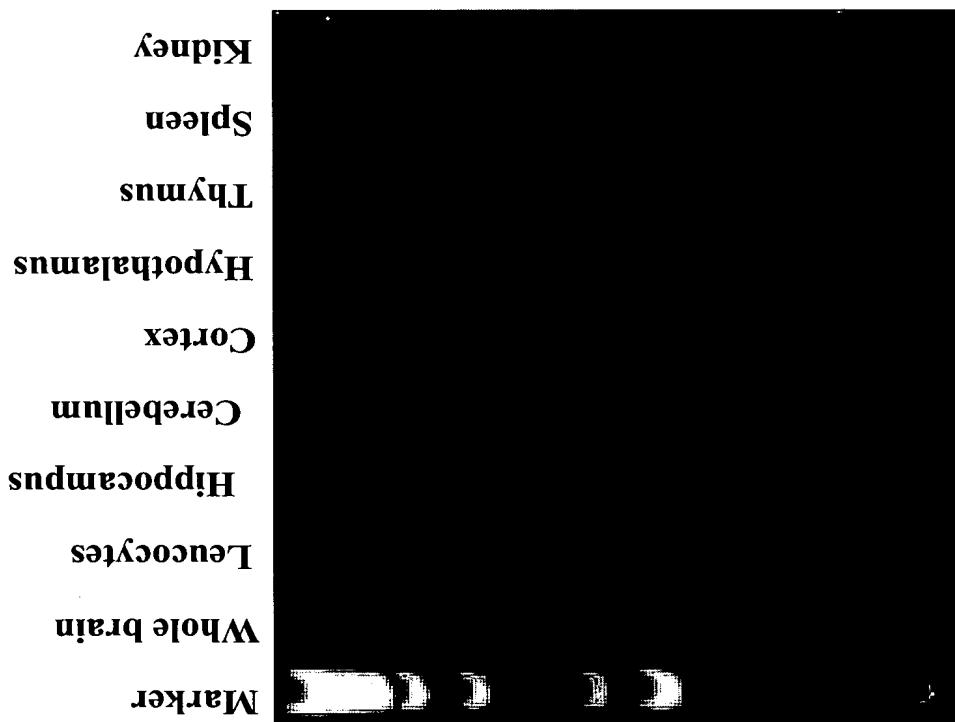


Figure 2

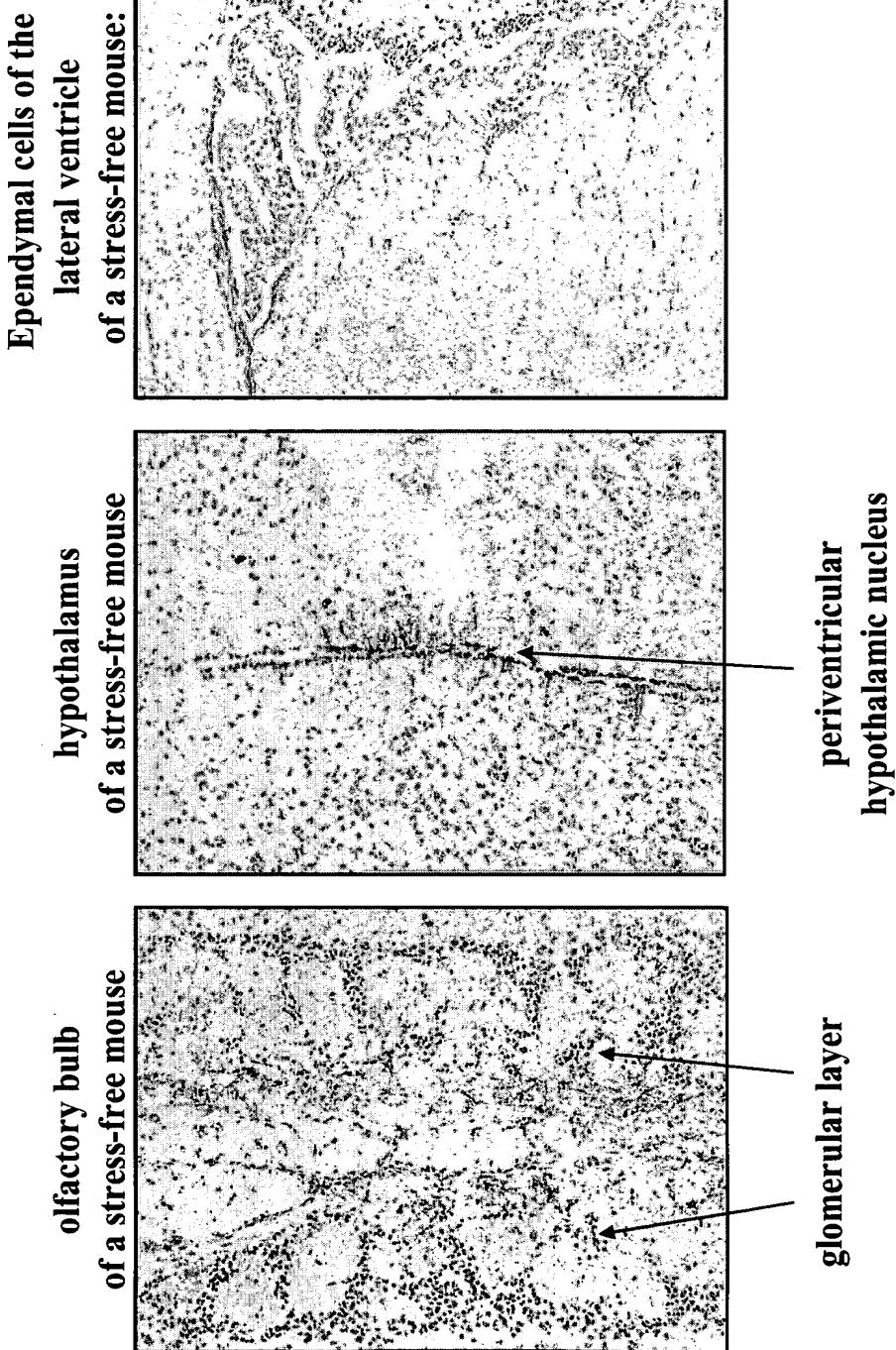


Figure 3

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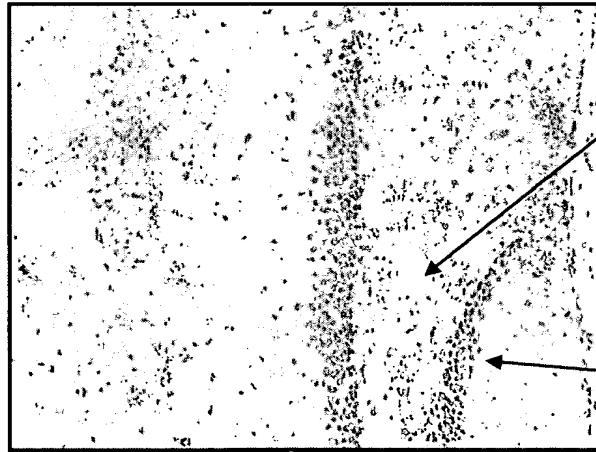
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Subcommisural organ
Of a stress-free mouse



dentate gyrus/hippocampus
of a stress-free mouse



granular layer
polymorph layer

Figure 4

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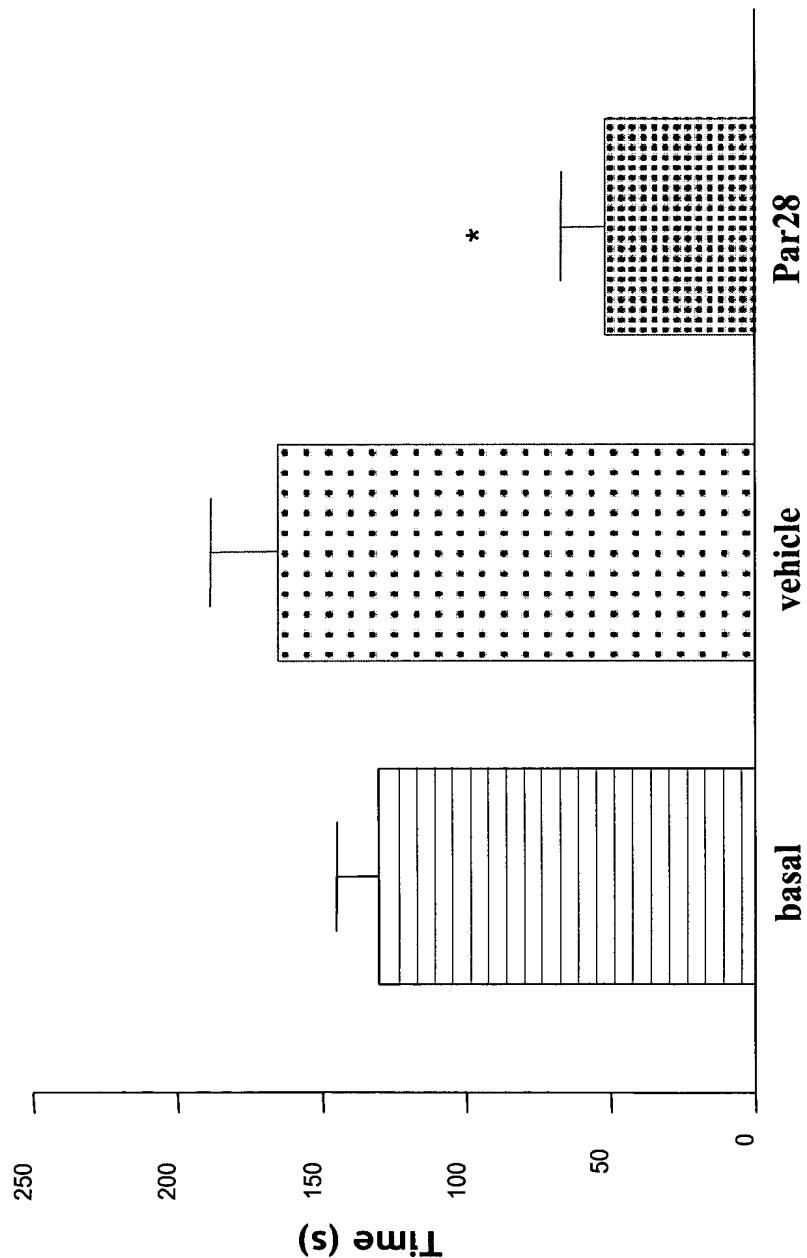


Figure 5

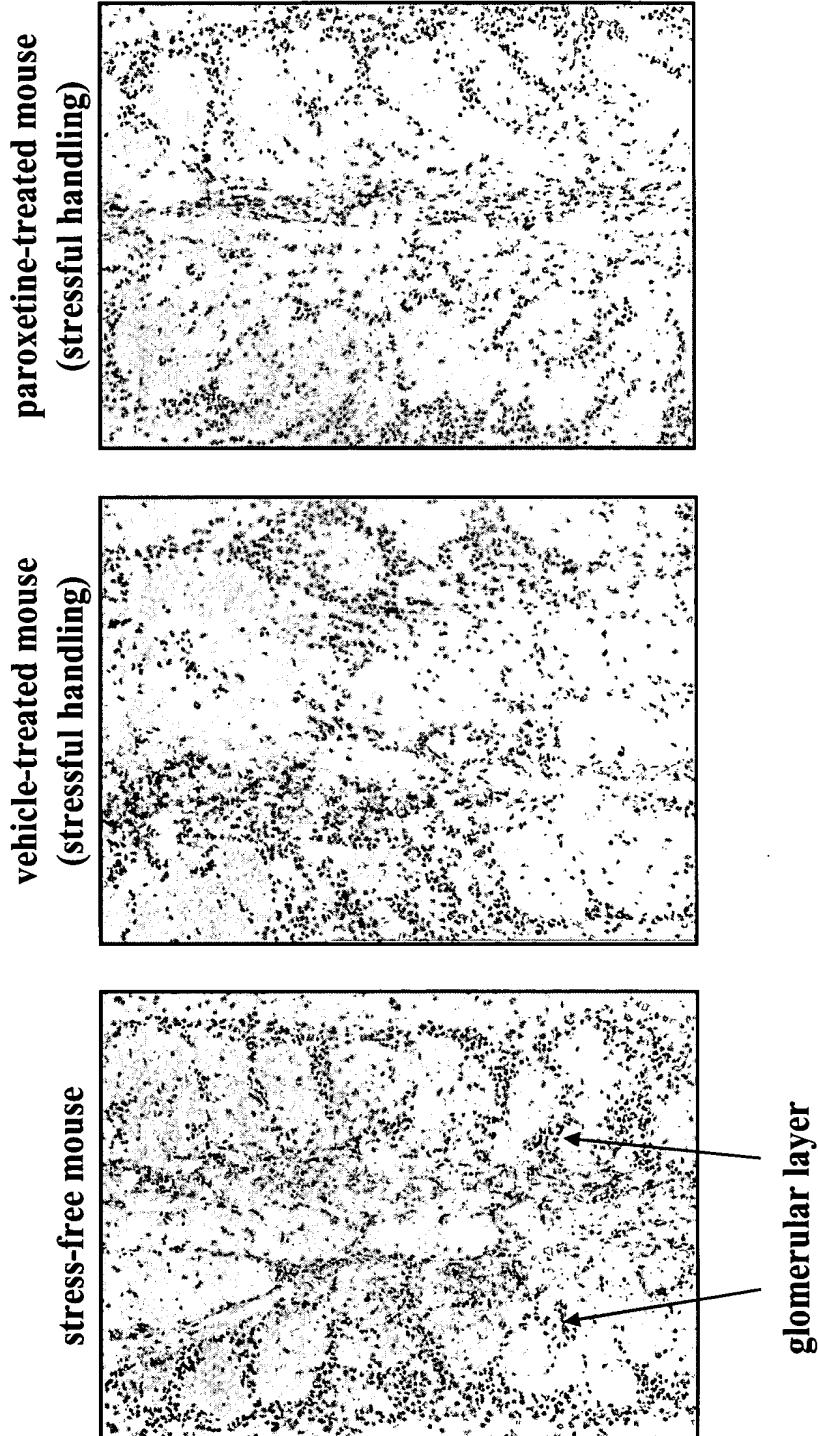


Figure 6

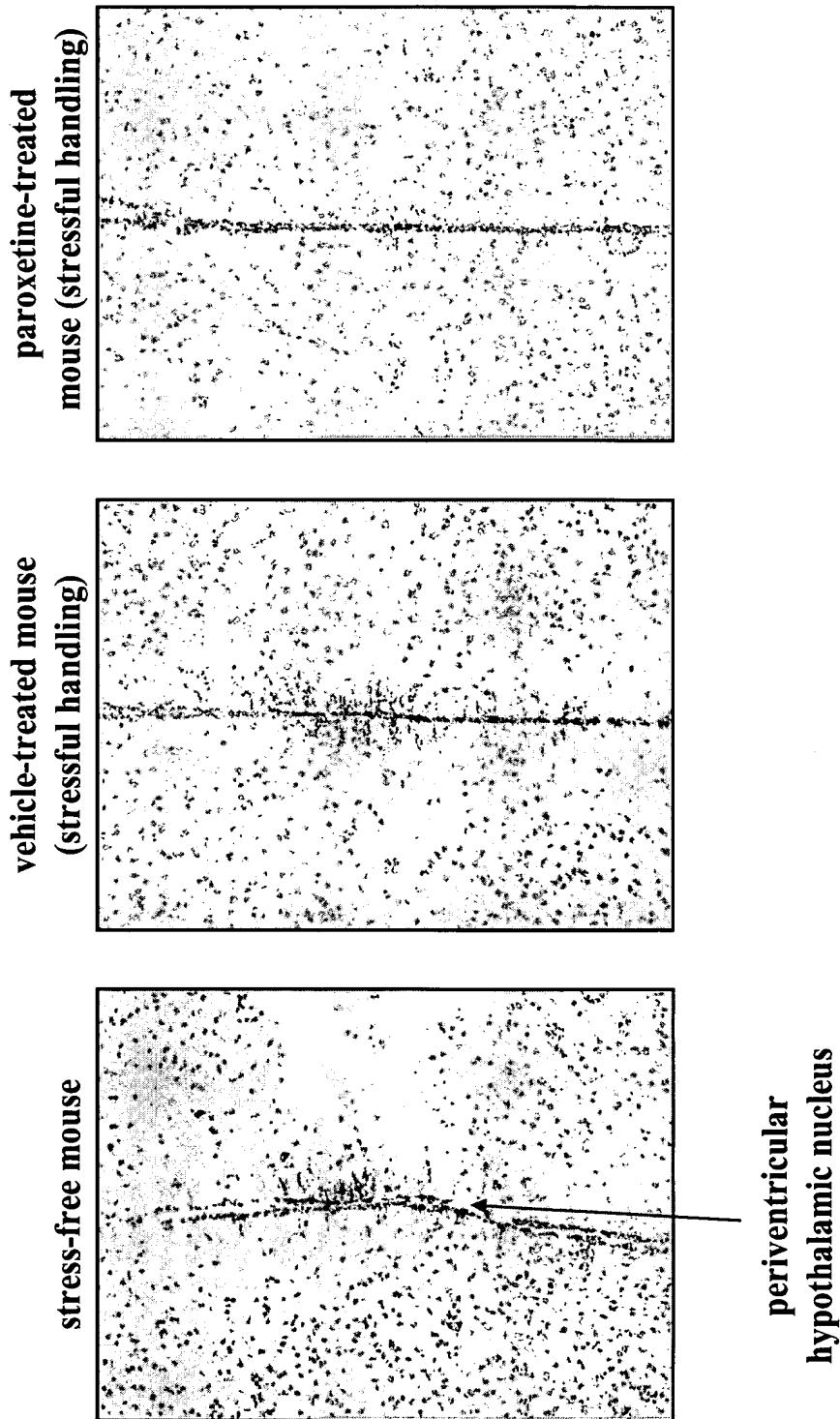


Figure 7

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paroxetine-treated mouse
(stressful handling)



vehicle-treated mouse
(stressful handling)



stress-free mouse



Figure 8

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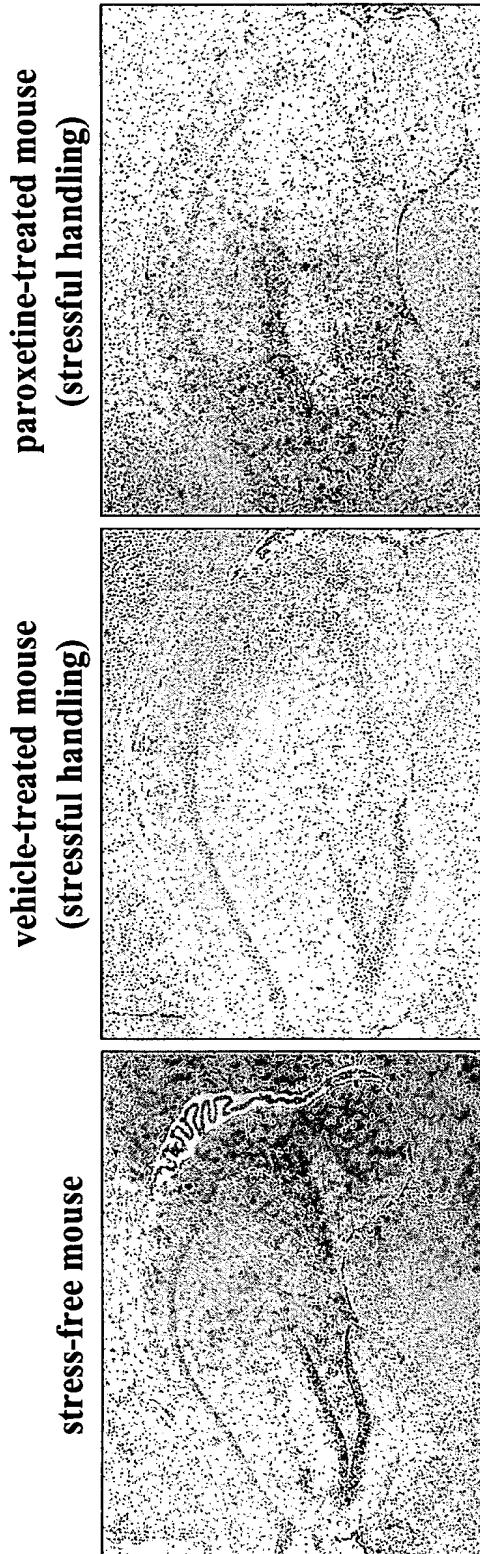


Figure 9

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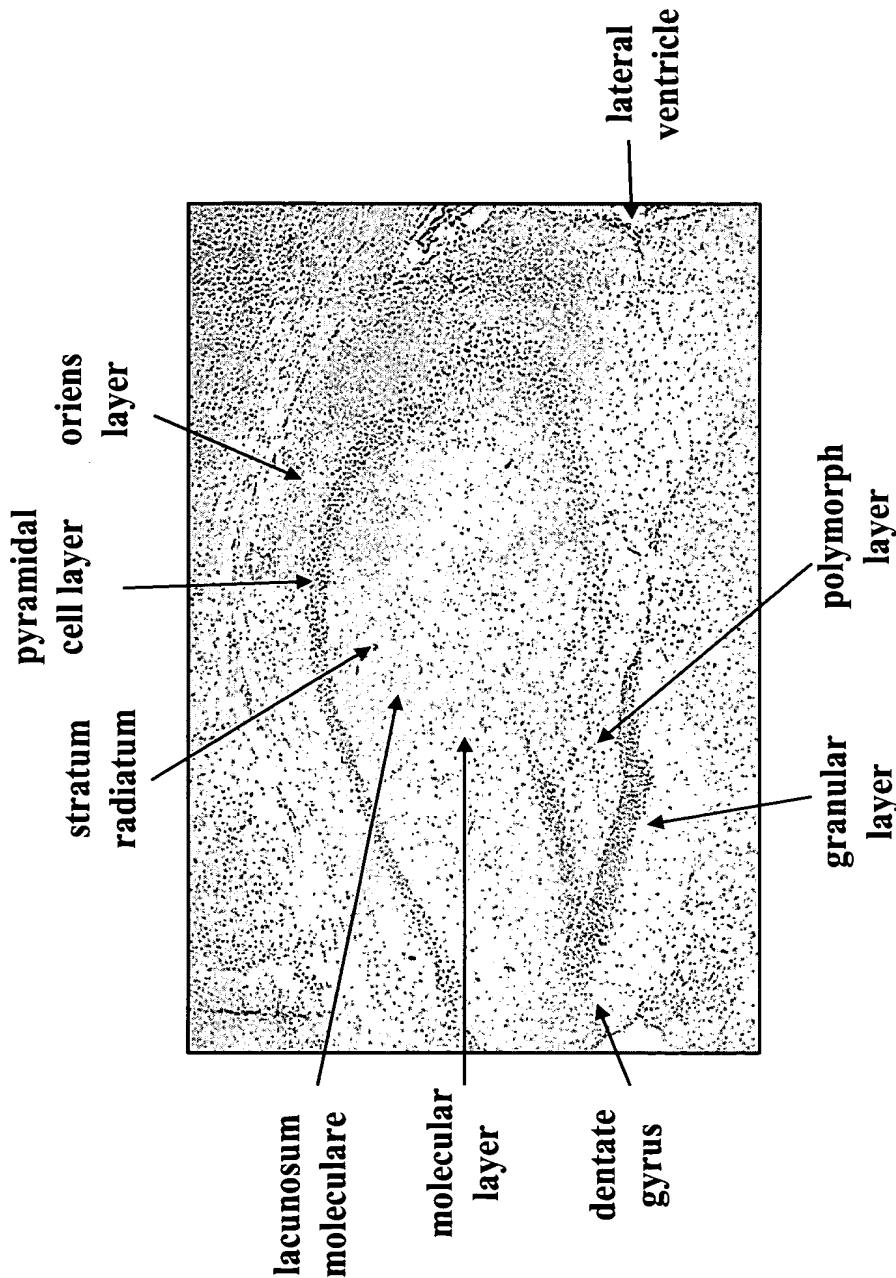


Figure 10

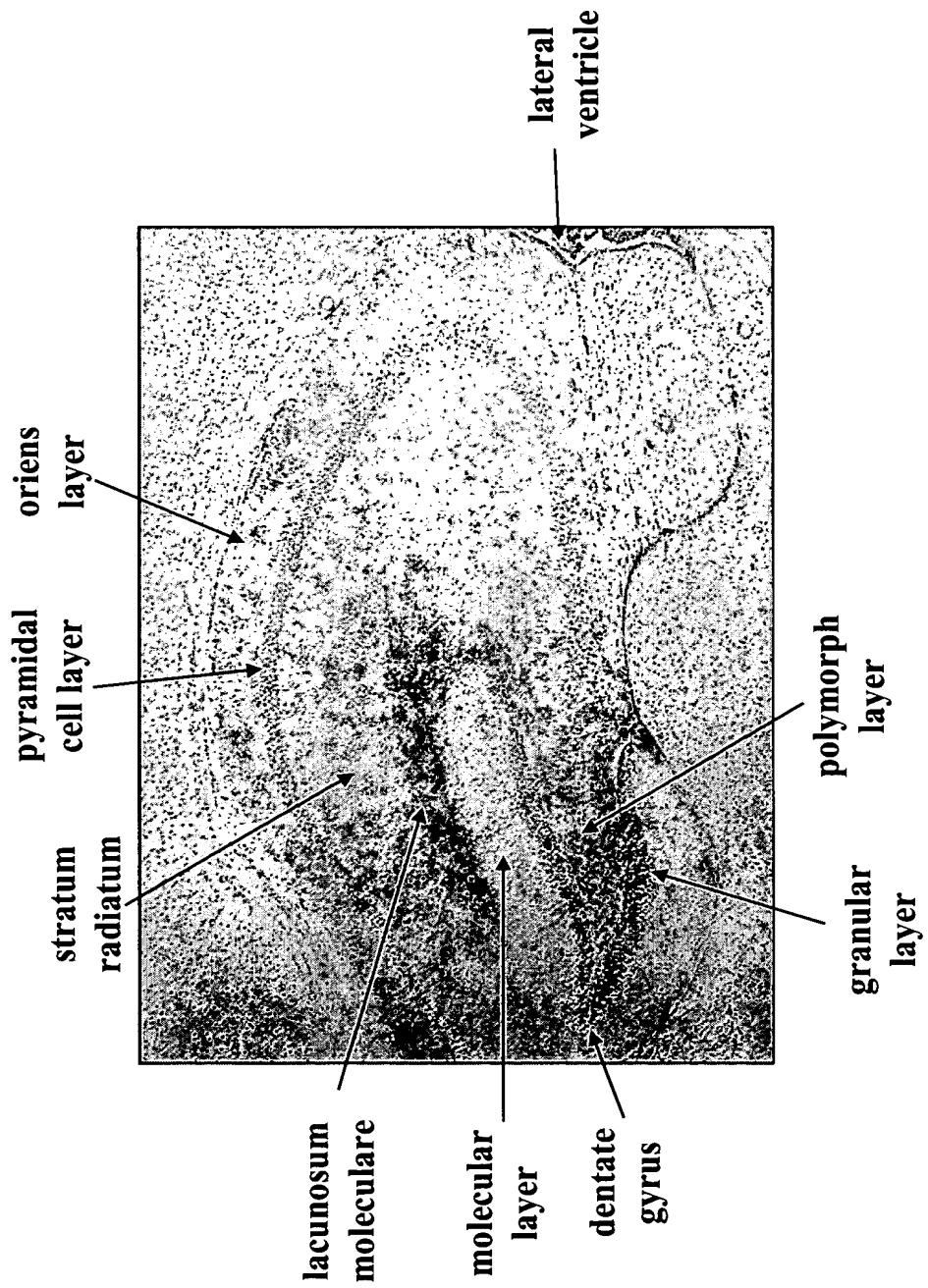


Figure 11

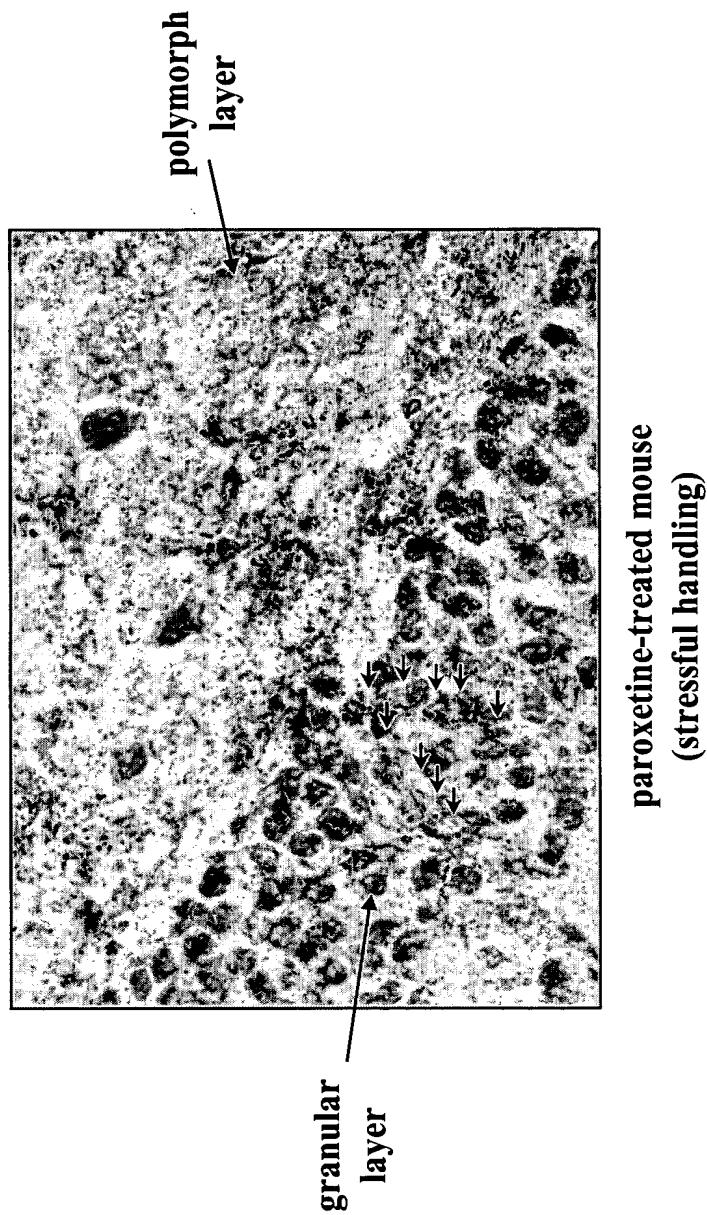


Figure 12

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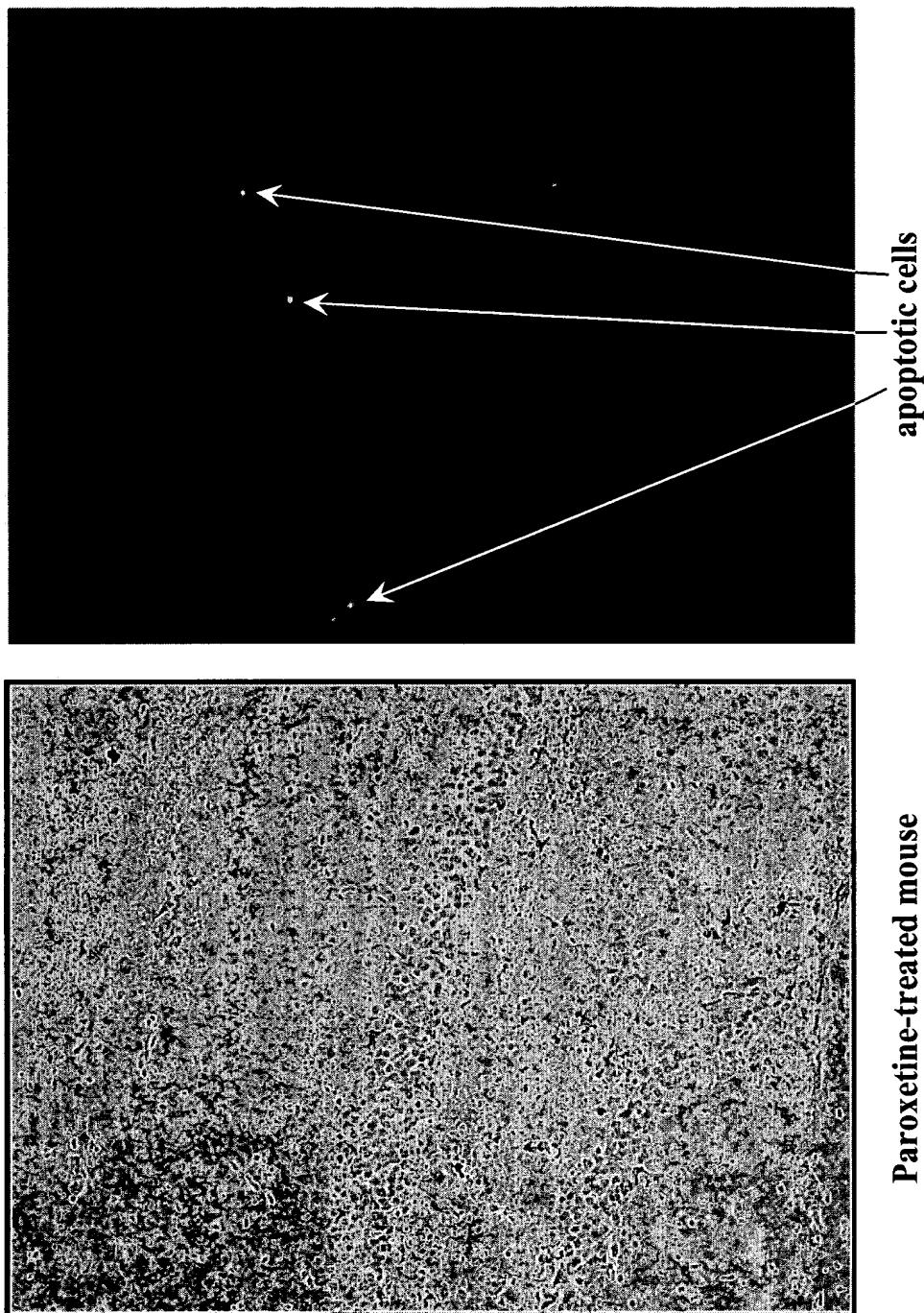


Figure 13

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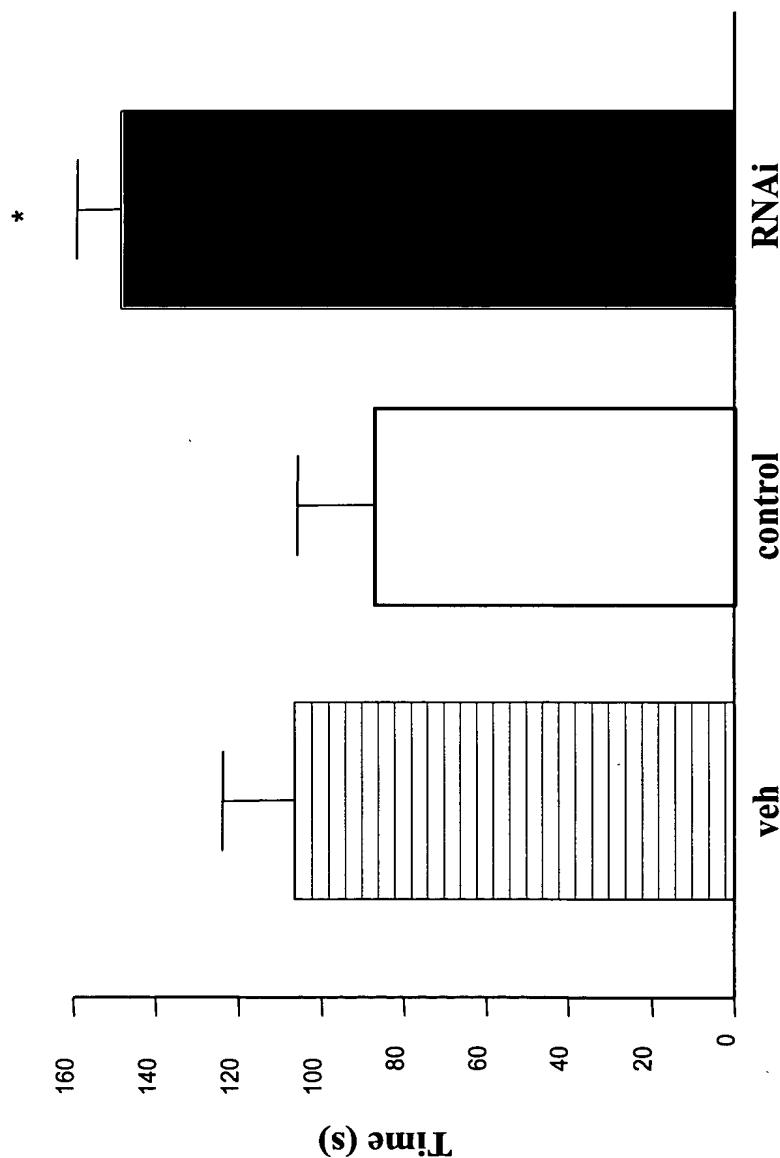


Figure 14

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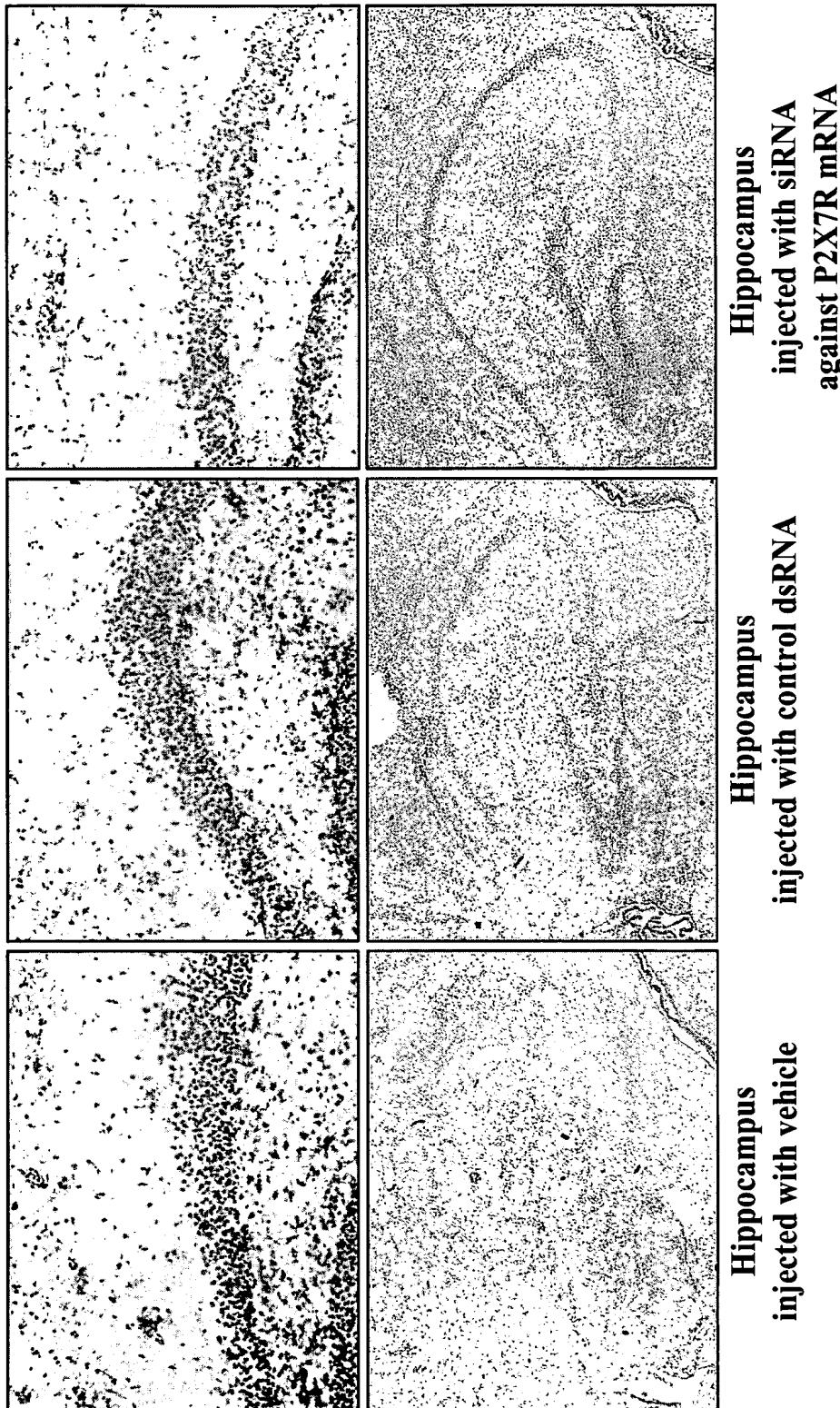


Figure 15

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P2X7v01 MPACCCSCSDVFQYETNKVTRIQSMNYGTIKWFFHVIIFSYVCFALVSDKLYQRKEPVISS
P2X7v04 MPPVD-----AFPCLPFS---FALVSDKLYQRKEPVISS
P2X7v02 MPACCCSCSDVFQYETNKVTRIQSMNYGTIKWFFHVIIFSYVCFALVSDKLYQRKEPVISS
P2X7v03 MPACCCSCSDVFQYETNKVTRIQSMNYGTIKWFFHVIIFSYVCFALVSDKLYQRKEPVISS
1.....10.....20.....30.....40.....50
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P2X7v01 VHTKVKKGIAEVKEEIVENGVKKLVHSVVFDTADYTFPLQGNNSFFVMTNFLKTEGQEQRQLCP
P2X7v04 VHTKVKKGIAEVKEEIVENGVKKLVHSVVFDTADYTFPLQGNNSFFVMTNFLKTEGQEQRQLCP
P2X7v02 VHTKVKKGIAEVKEEIVENGVKKLVHSVVFDTADYTFPLQGNNSFFVMTNFLKTEGQEQRQLCP
P2X7v03 VHTKVKKGIAEVKEEIVENGVKKLVHSVVFDTADYTFPLQGNNSFFVMTNFLKTEGQEQRQLCP
61.....70.....80.....90.....100.....110

Figure 16a

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P2X7v01 EYPTRRTLCSSDRGCKKGWMDPQSKGIQTGRCVVHEGNQKTCVEWSAWCPIEAVVEAPRPA
P2X7v04 EYPTRRTLCSSDRGCKKGWMDPQSKGIQTGRCVVHEGNQKTCVEWSAWCPIEAVVEAPRPA
P2X7v02 EYPTRRTLCSSDRGCKKGWMDPQSKGLS.....
P2X7v03 EYPTRRTLCSSDRGCKKGWMDPQSKGIQTGRCVVHEGNQKTCVEWSAWCPIEAVVEAPRPA
121.....130.....140.....150.....160.....170

P2X7v01 LLNSAENFTVLIKNNIDFPGHNYYTRNILPGLNITCTFHKQTQNPQCPIFRLGDFRETGD
P2X7v04 LLNSAENFTVLIKNNIDFPGHNYYTRNILPGLNITCTFHKQTQNPQCPIFRLGDFRETGD
P2X7v02
P2X7v03 LLNSAENFTVLIKNNIDFPGHNYYTRNILPGLNITCTFHKQTQNPQCPIFRLGDFRETGD
181.....190.....200.....210.....220.....230

Figure 16b

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P2X7v01 NFSDVAIQQGIMGIEIYWDCNLDRWFHHCHPKYSFRRLLDDKTTNVSLYPGYNFRYAKYYK
P2X7v04 NFSDVAIQQGIMGIEIYWDCNLDRWFHHCHPKYSFRRLLDDKTTNVSLYPGYNFRYAKYYK
P2X7v02 -----
P2X7v03 NFSDVAIQQGIMGIEIYWDCNLDRWFHHCHPKYSFRRLLDDKTTNVSLYPGYNFRYAKYYK
241.....250.....260.....270.....280.....290
P2X7v01 ENNVEKRTLIKVGIRFDILVFGTGGKFDIQLVVYIGSTLSYFGLAAVFIDFLIDTYSS
P2X7v04 ENNVEKRTLIKVGIRFDILVFGTGGKFDIQLVVYIGSTLSYFGLAAVFIDFLIDTYSS
P2X7v02 -----
P2X7v03 ENNVEKRTLIKVGIRFDILVFGTGGKFDIQLVVYIGSTLSYFGLVRDLSLFHALGKWFG
301.....310.....320.....330.....340.....350

Figure 16c

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P2X7v01 NCCRSIHYPWCKCCQPCVVNEYYYRKKCESIVEPKPTLKYYVSFVDESHIRMVNQQQLLGRS
P2X7v04 NCCRSIHYPWCKCCQPCVVNEYYYRKKCESIVEPKPTLKYYVSFVDESHIRMVNQQQLLGRS
P2X7v02 -----
P2X7v03 EGSD-----
361.....370.....380.....390.....400.....410
P2X7v01 LQDVKGQEVRPAMDFTDLSRLPLALHDTPPIPGQPEEIQLLRKEATPRSRDSPVWCQCG
P2X7v04 LQDVKGQEVRPAMDFTDLSRLPLALHDTPPIPGQPEEIQLLRKEATPRSRDSPVWCQCG
P2X7v02 -----
P2X7v03 -----
421.....430.....440.....450.....460.....470

Figure 16d

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P2X7v01 SCLPSQLPESHRCLLELCRKPGACITTSelfRKLVLQFLLYQEPLLALDVDS
P2X7v04 SCLPSQLPESHRCLLELCRKPGACITTSelfRKLVLQFLLYQEPLLALDVDS
P2X7v02
P2X7v03
481.....490.....500.....510.....520.....530
P2X7v01 TNSRLRHCAYRCYATWRFGSQDMADFAILPSCCRWRIRKEFPKSEGQYSQGFKSPY
P2X7v04 TNSRLRHCAYRCYATWRFGSQDMADFAILPSCCRWRIRKEFPKSEGQYSQGFKSPY
P2X7v02
P2X7v03
541.....550.....560.....570.....580.....590

Figure 16e

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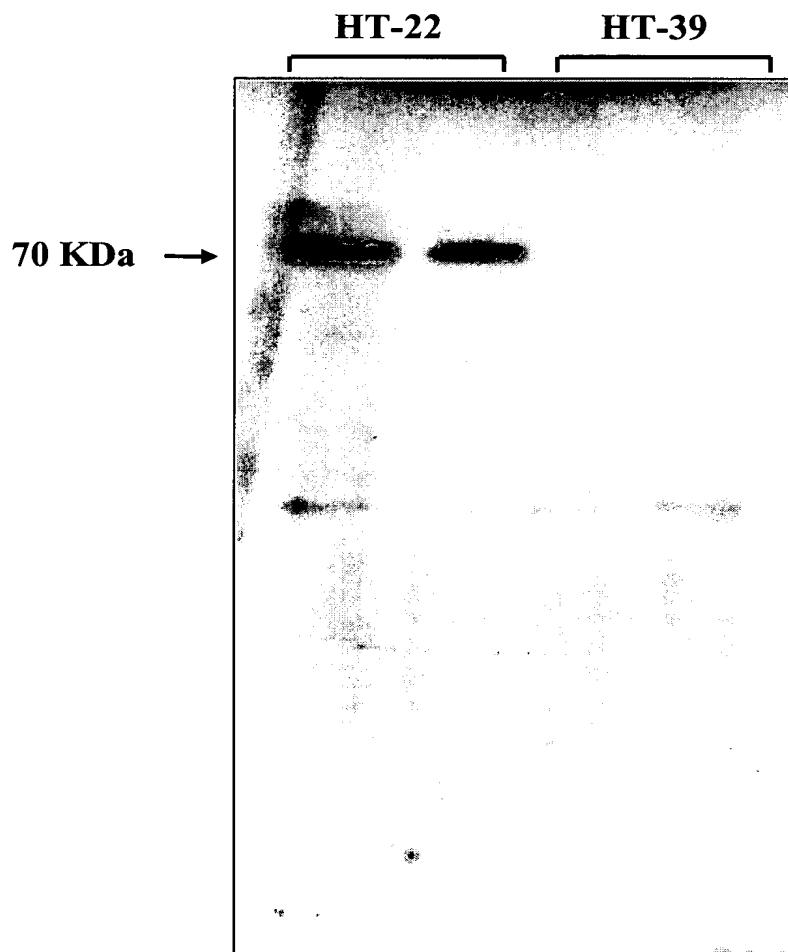


Figure 17

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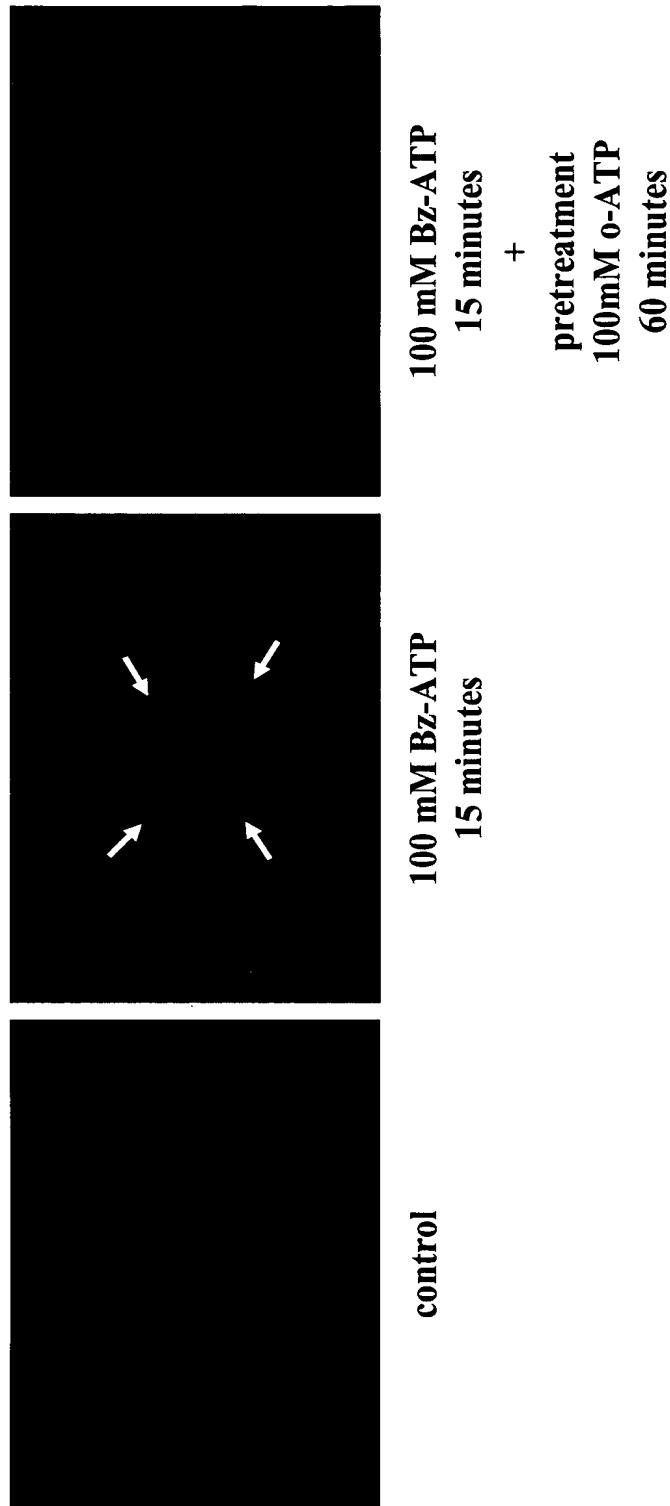


Figure 18

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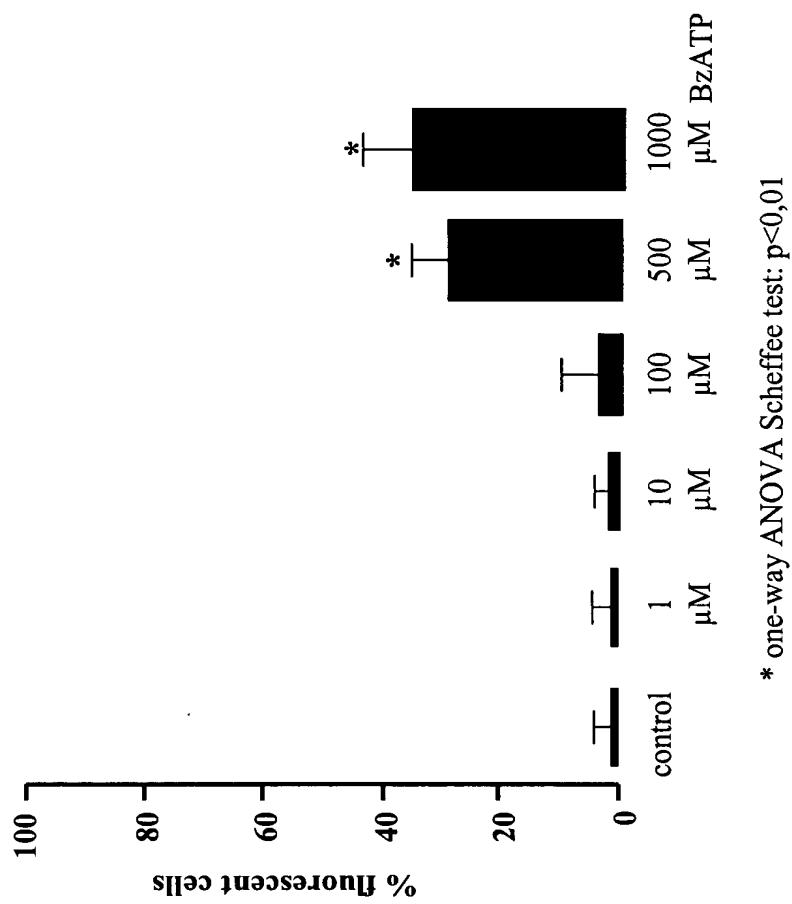


Figure 19a

Title: MEANS AND METHODS FOR
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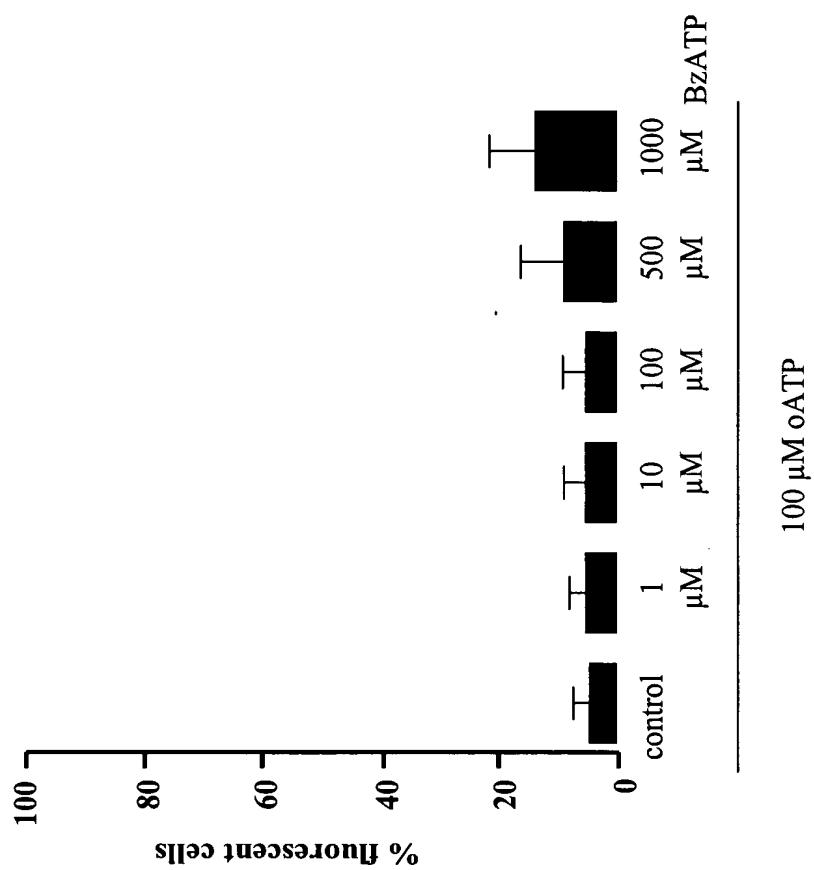


Figure 19b

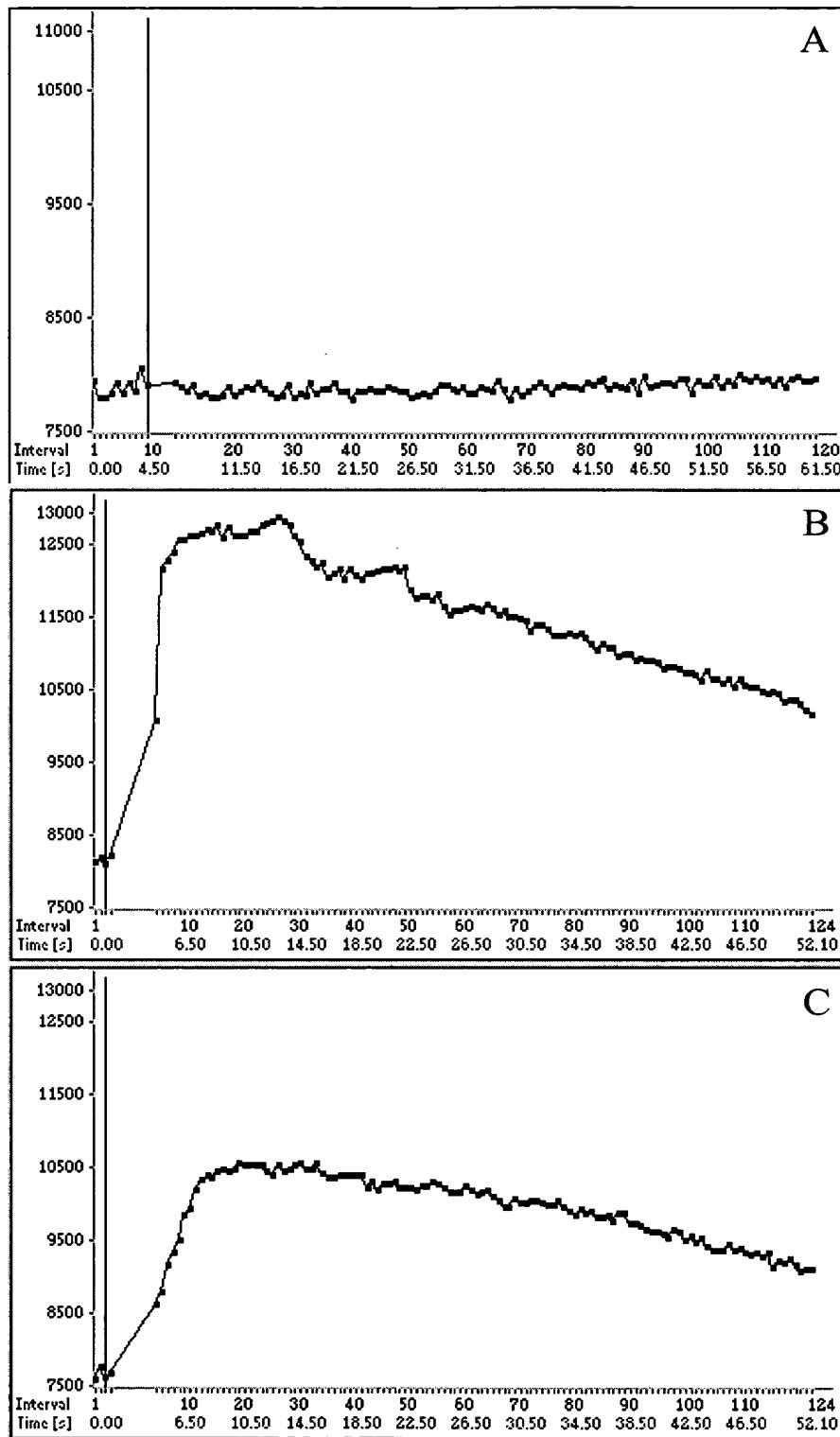


Figure 19c

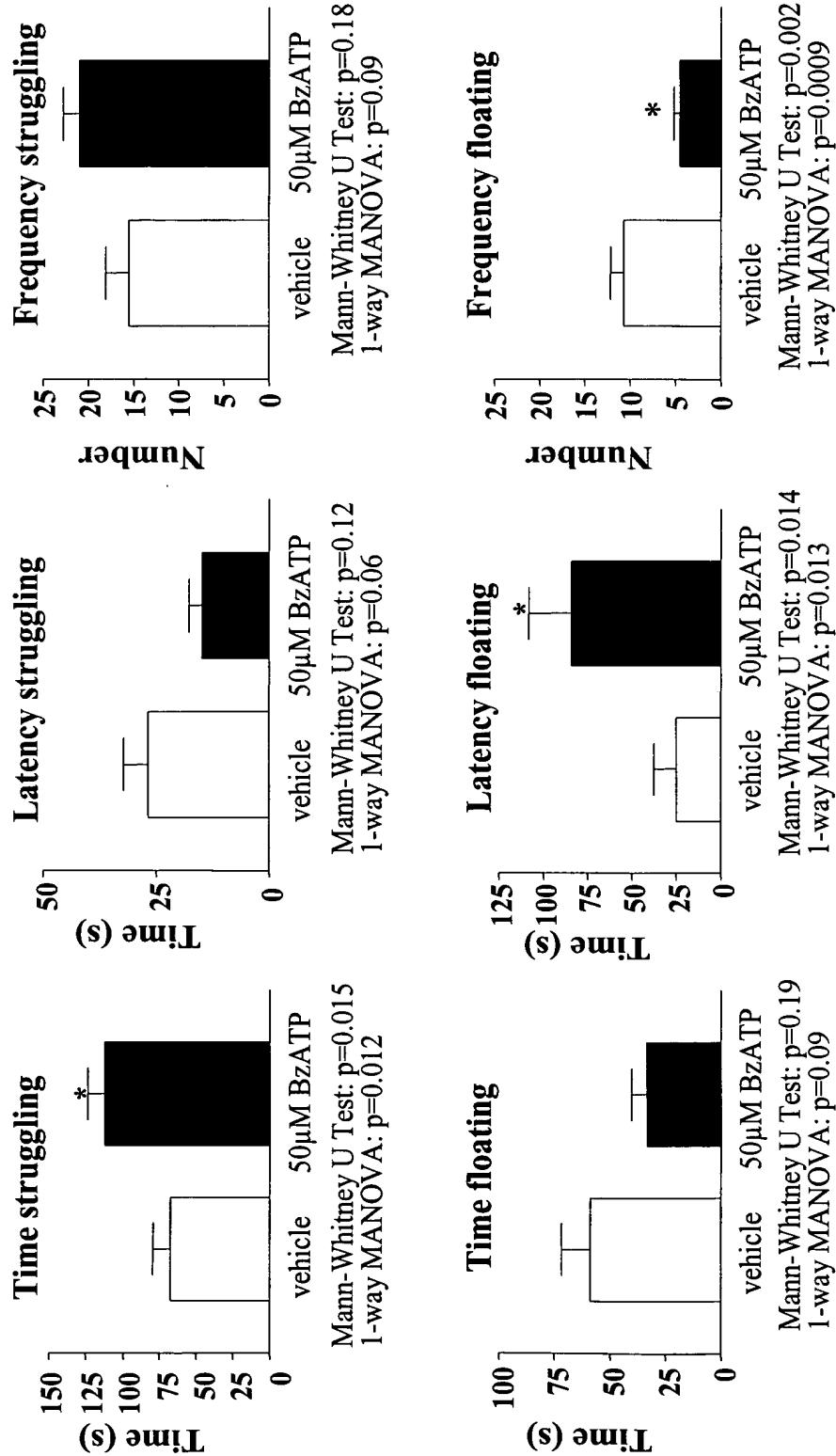


Figure 20

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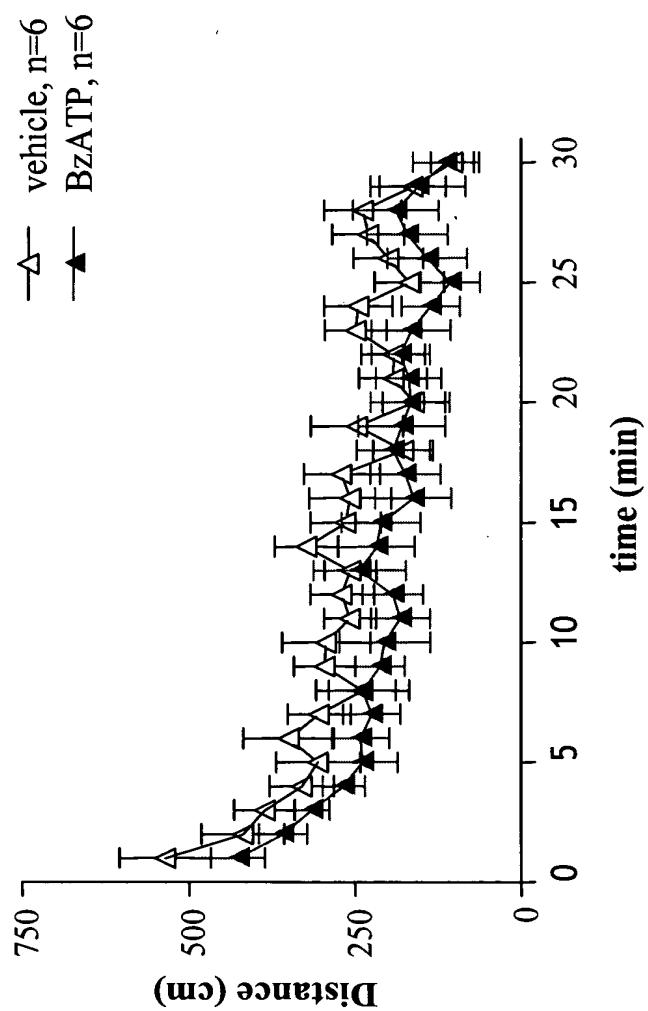


Figure 21

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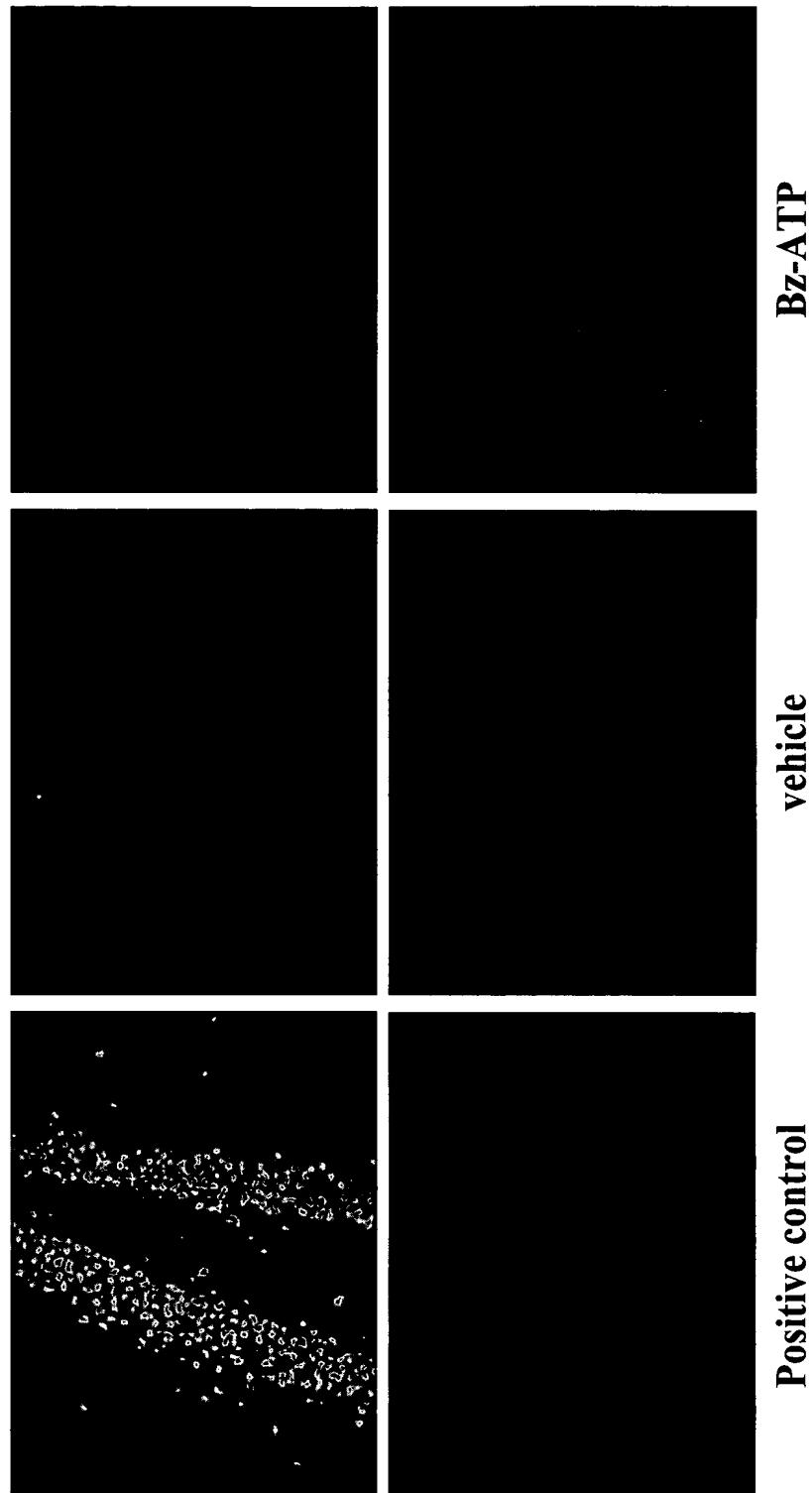


Figure 22

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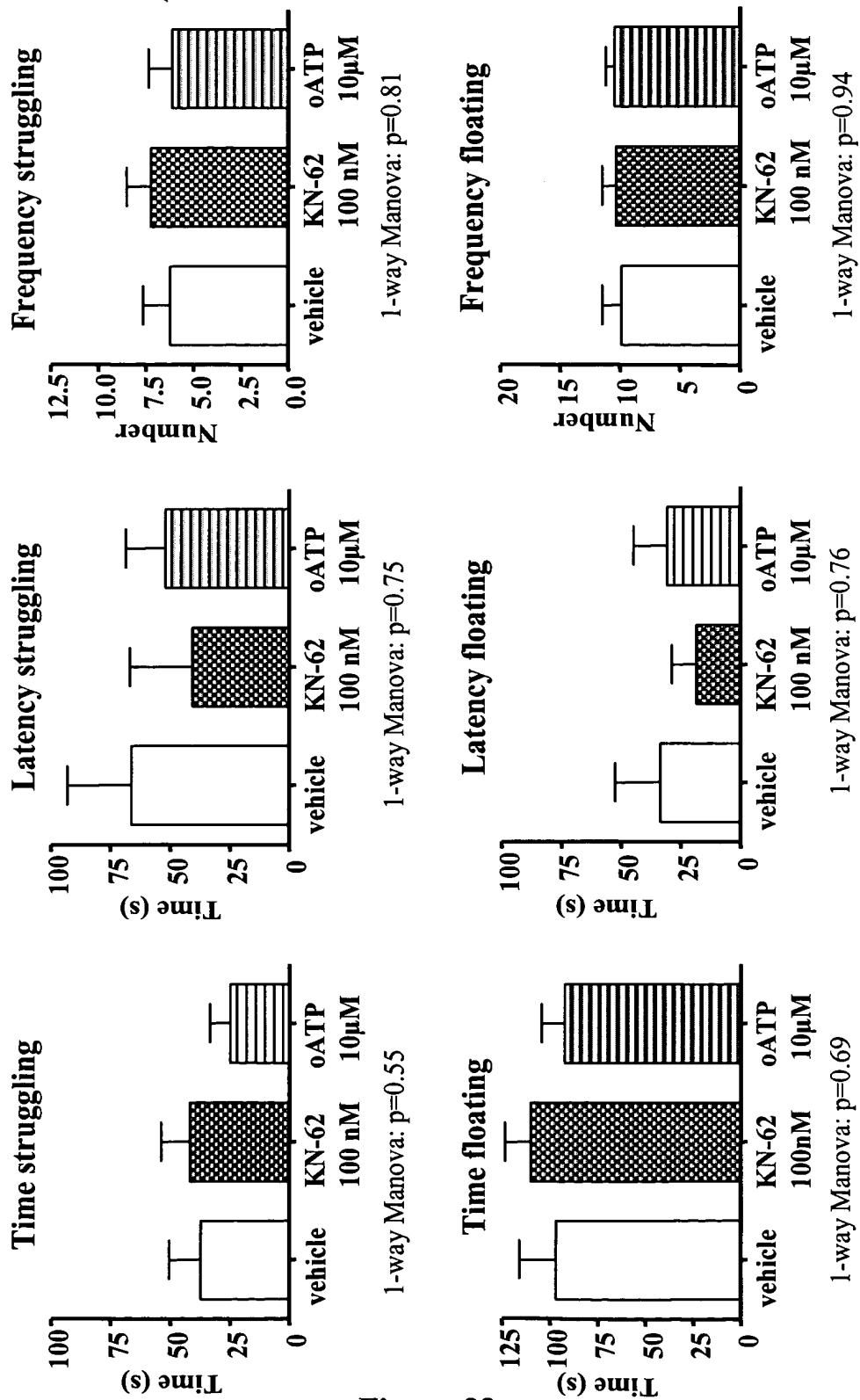


Figure 23

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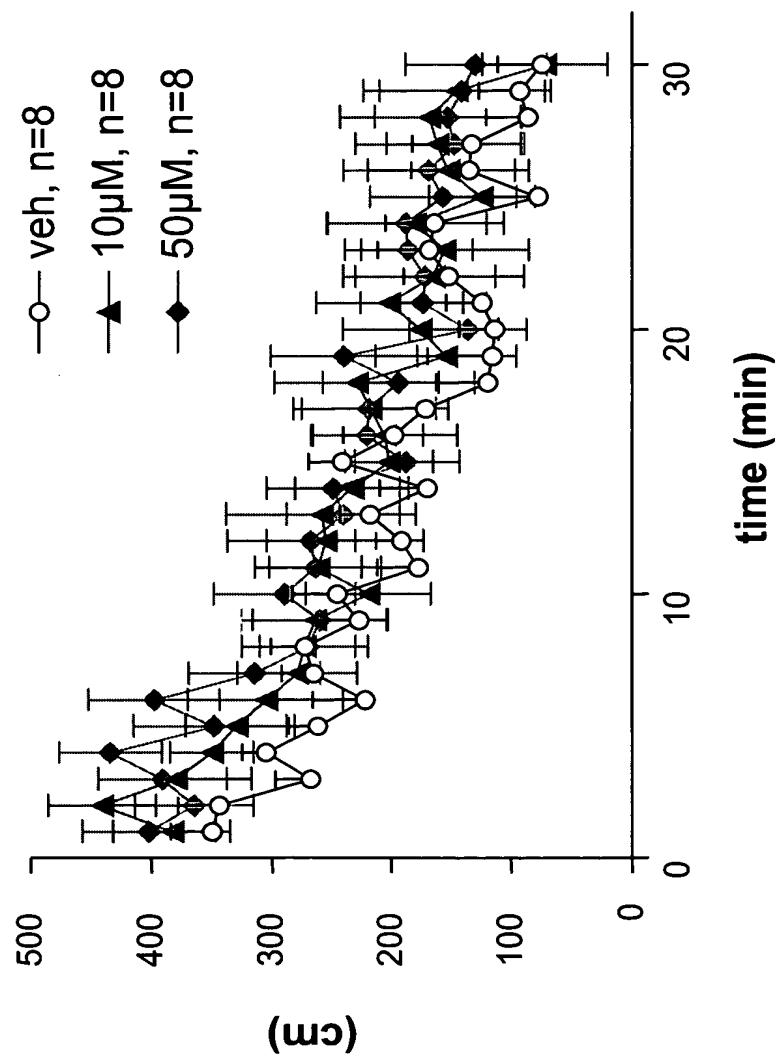


Figure 24